

1441 LSS-Lonestar Houston, Inc
Profile # 1441



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1480
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1441

Customer: Lonestar Fasteners

Waste Generator: Lonestar Fasteners

Waste Stream Name: Scrapped Poly Tanks

Expiration Date: 3/21/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

JESUS F. ROCHA

Customer Name

Jesus F. Rocha

Signature

LONE STAR FASTENERS, L.P.

Company / Title

2-18-2008

Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

K. G.

Waste Pre-Acceptance/Approval Letter

Date 3/21/2006

Dear Kelvin Parker

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1441

Generator: LSS-Lonestar Houston, Inc
Address: 24131 Hardy Rd
Spring, TX 77373

Waste Information

Name of Waste: Scrapped Poly Tanks

TCEQ Waste Code #: 00414061

Container Type: Other Supersack

Detailed Description of Process Generating Waste:

Plastic chunks left from decommissioning of RCRA Empty poly tanks that were clean (triple rinsed). Tanks were formerly in hazardous waste storage.

Color: Tan

Odor: None

pH: 4-11

Physical State: Solid

Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000556

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: LSS-Lone Star Houston, Inc.

Address: 24131 Hardy Road

City, State, Zip: Spring, TX 77373

Contact: Kelvin Parker

Title:

Phone No: (281) 353-1191

Fax No:

(281) 353-4989

24/hr Phone: (281) 353-1191

U.S. EPA I.D. No: TXD987990330

State I.D. 39792

SIC Code: N/A

SECTION 2: Billing Information - ☒ Same as Above

Company:

Address:

City, State, Zip:

Contact:

Title:

Phone No:

Fax No:

SECTION 3: General Description of the WasteName of Waste: Scrapped Poly TanksDetailed Description of Process Generating Waste: Plastic chunks left from decommissioning of RCRA Empty poly tanks that were cleaned (triple rinsed). Tanks were formerly in hazardous waste storage.

Physical State:

☐

Liquid

☐

Sludge

☐

Powder

☒

Solid

☐

Filter Cake

☐

Combination

Color: TanOdor: NoneSpecific Gravity (water=1): 0.8-0.85Density: 7.34 lbs/gal

Layers:

☒

Single-phase

☐

Multi-phase

Container Type:

☐

Drum

☐

Tote

☐

Truck

☒

Other (explain)

Container Size:

4.55Supersack

Frequency:

☐

Weekly

☐

Monthly

☒

Quarterly

☒

Yearly

Number of Units (containers): 5 Supersacks

Other: _____

Texas State Waste Code No:

00414061

Proper U.S. DOT Shipping Name:

N/A

Class: N/A

UN/NA:

N/APG: N/ARQ: N/A

Flash Point >200	pH 4-11	Reactive Sulfides BRLmg/l	Reactive Cyanides BRLmg/l	Solids 100%
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Oil&Grease N/Amg/l	TOC BRLmg/l	Zinc BRLmg/l	Copper BRLmg/l	Nickel BRLmg/l
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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Polyethylene Chunks		100	100

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

N/A

SECTION 7: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: Containers were RCRA Empty before decommissioning
 TCLP Volatiles: Containers were RCRA Empty before decommissioning
 TCLP Semi-Volatiles: Containers were RCRA Empty before decommissioning
 Reactivity: Containers were RCRA Empty before decommissioning
 Corrosivity: Containers were RCRA Empty before decommissioning
 Ignitability: Containers were RCRA Empty before decommissioning

SECTION 8: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Kelvin Parker Date: 3/14/2006

Printed Name/Title: Kelvin Parker/EHS Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert J. Thigpen

Additional Information: _____

Date: 3-21-06 Approved Rejected

Approval Number: 1441

SECTION 4. Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If "Yes", complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L


Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☒ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

LABORATORY TEST RESULTS									
 A&B Job ID: 76928		Date: 12/27/2005							
CLIENT: ESDM		PROJECT: Lone Star T-2,T-3&T-4 Closure, Spring Tex ATTN: Hadi Elmi							
Client Sample ID: Cut Off Sections of T-2, T-3 & T-4		Job Sample ID: 76928-01							
Date Collected: 12/21/2005		Sample Matrix: Solid							
Time Collected: 9:15									
Sample Loc./Other Info:									
Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010B	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.1	1.8		12/22 12:47	SEC
	Barium	0.54	mg/L	1	0.1	100		12/22 12:47	SEC
	Cadmium	BRL	mg/L	1	0.1	0.5		12/22 12:47	SEC
	Chromium	0.61	mg/L	1	0.1	5		12/22 12:47	SEC
	Lead	BRL	mg/L	1	0.1	1.5		12/22 12:47	SEC
	Selenium	BRL	mg/L	1	0.5	1		12/22 12:47	SEC
	Silver	BRL	mg/L	1	0.1	5		12/22 12:47	SEC
SW-846 7470A	TCLP Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		12/22 16:00	SEC

** BRL - Below Reporting Limit

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EPAHQ112000561

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 12/27/2005

Job ID: 76928

QCType: LCS and LCSD													
Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID		Qual
Arsenic	SW-846 6010B		1	0.91		91			<25	80-120	Q122205mt		
Barium	SW-846 6010B		1	0.84		84			<25	80-120	Q122205mt		
Cadmium	SW-846 6010B		1	0.86		86			<25	80-120	Q122205mt		
Chromium	SW-846 6010B		1	0.92		92			<25	80-120	Q122205mt		
Lead	SW-846 6010B		1	0.82		82			<25	80-120	Q122205mt		
Selenium	SW-846 6010B		1	0.93		93			<25	80-120	Q122205mt		
Silver	SW-846 6010B		1	0.97		97			<25	80-120	Q122205mt		
Mercury	SW-846 7470A		0.005	0.0046		92			<35	71-143	Q122205hgt		

QCType: MS and MSD														
Parameter	Method	QCSapt Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD	%RPD CLimits	%Rec CLimits	QCBatchID	QC SampleID		Qual
Arsenic	SW-846 6010B	BRL	2	1.77	1.80	89	90	1.7	<30	45-138	Q122205mt	76910-02		
Barium	SW-846 6010B	0.44	2	2.04	2.06	80	81	1.2	<25	38-136	Q122205mt	76910-02		
Cadmium	SW-846 6010B	BRL	2	1.65	1.67	83	84	1.2	<25	56-125	Q122205mt	76910-02		
Chromium	SW-846 6010B	0.15	2	1.93	1.95	89	90	1.1	<25	52-125	Q122205mt	76910-02		
Lead	SW-846 6010B	0.11	2	1.68	1.70	79	80	1.3	<25	56-125	Q122205mt	76910-02		
Selenium	SW-846 6010B	BRL	2	1.78	1.81	89	91	1.7	<25	18-137	Q122205mt	76910-02		
Silver	SW-846 6010B	BRL	2	1.91	1.93	96	97	1.0	<25	26-148	Q122205mt	76910-02		
Mercury	SW-846 7470A	BRL	0.01	0.008	0.008	80	80	0.0	<35	61-175	Q122205hgt	76864-04		

QCType: Method Blank										
Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID			Qual
Arsenic	SW-846 6010B	7440-39-2	BRL	mg/L	1	0.1	Q122205mt	TCLP Metals		
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q122205mt	TCLP Metals		

** BRL-Below Reporting Limit



A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 12/27/2005

Job ID: 76928

QCType: Method Blank									
Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QC Batch ID	Qual	
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q122205ml	TCLP Metals	
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q122205ml	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q122205ml	TCLP Metals	
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q122205ml	TCLP Metals	
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q122205ml	TCLP Metals	
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q122205hgt	TCLP Mercury	

* BRL-Below Reporting Limit

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12/27/2005 13:35

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A AND B LAB


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05/07

EPAHQ112000563

A & B Labs

Chain of Custody

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 10100 East Fwy. (I-10), Ste. 100 Houston, TX 77029 713-453-6060 713-453-6091 Fax ablabs.com		1. REPORT TO: Company: <u>ESDM, INC</u> Address: <u>440 Benmar #1200</u> <u>H. TX 77060</u> Contact: <u>HADI ELM1</u> Phone: <u>281-820-3488</u> Fax: <input type="checkbox"/> <u>281-820-1366</u> E-mail: <input type="checkbox"/> <u>esdm@aol.com</u>		2. INVOICE TO: Company: <u>ESDM, INC</u> Address: _____ Contact: _____ Phone: _____ Fax: <input type="checkbox"/> _____ E-mail: <input type="checkbox"/> _____		3. PO# _____																																																											
A&B JOB ID <u>76928</u>		5. Project # _____		4. Turnaround Time (Business Days) <input type="checkbox"/> Same Day* <input type="checkbox"/> Need by <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input checked="" type="checkbox"/> 3 Days* <input type="checkbox"/> 7 Days* * Surcharge applies		6. Project Name / Location <u>Lonestar T-2, T-3, & T-4 Closure, Spring, Texas</u>																																																											
7. Special Instructions (PLEASE PRINT) <input type="checkbox"/> TRRP Limits only <input type="checkbox"/> TRRP Rpt. Package <input type="checkbox"/> See Attached		8. Sampler's Name & Company (PLEASE PRINT) <u>HADI ELM1, ESDM, INC.</u>		Sampler's Signature & Date <u>(Hadi Elm1) 12/21/05</u>		13. Containers* 14. Preservatives** 15. Preservatives** 16.																																																											
9. Sample ID and Description		10. Sampling		11. 12. Matrix		17. REMARKS																																																											
<table border="1"> <thead> <tr> <th>LAB USE ONLY</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> </tbody> </table>		LAB USE ONLY	1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10	<table border="1"> <thead> <tr> <th>Date</th> <th>Time</th> <th>Comp.</th> <th>Grab</th> <th>Water</th> <th>Soil</th> <th>Sludge</th> <th>Oil</th> <th>Air</th> <th>Other</th> </tr> </thead> <tbody> <tr> <td>12/21/05</td> <td>9:15</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table>		Date	Time	Comp.	Grab	Water	Soil	Sludge	Oil	Air	Other	12/21/05	9:15	X							X	<table border="1"> <thead> <tr> <th>11.</th> <th>12.</th> <th>Matrix</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		11.	12.	Matrix				<table border="1"> <thead> <tr> <th>No. of Containers</th> <th>13.</th> <th>14.</th> <th>15.</th> <th>16.</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		No. of Containers	13.	14.	15.	16.					
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1. <u>HADI ELM1</u>		<u>12/21/05</u>		<u>1410</u>		<u>Ramon J. Gabal</u>		<u>12/21/05</u>		<u>1410</u>		May contain Chrome																																																					
2. <u>Ramon J. Gabal</u>		<u>12/21/05</u>		<u>1610</u>		<u>S. J. J. J.</u>		<u>12/21/05</u>		<u>1610</u>																																																							
3. _____																																																																	
*Containers: VOA - 40 ml vial 4 oz/5 oz - glass wide mouth A/B - Amber/Glass 1 Liter P/O - Plastic/Other		**Preservatives: C - Cool OH - NaOH H - HCl T - Na ₂ S ₂ O ₃ N - HNO ₃ X - Other		S - H ₂ SO ₄																																																													
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A&B LAB

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EPAHQ112000564

Ethyl Corporation 1442
Profile # 1442



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

L.A.

Waste Pre-Acceptance/Approval Letter

Date 3/22/2006

Dear **Billy LeBlanc**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1442

Generator: Ethyl Corporation

Address: 1000 N. South Street
Pasadena, TX 77501

Waste Information

Name of Waste: Oily Sludge from miscellaneous cleanout / cleaning activities.

TCEQ Waste Code #: 90286031

Container Type: Drum

Detailed Description of Process Generating Waste:

Mannich, PIBSA, PAP, and other lube and fuel additive production processes, including small spill clean-up waste material.

Color: Brown / Black

Odor: Oil Like

pH: 8-12

Physical State: Sludge

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000566



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Ethyl Corporation		
Address:	1000 N. South Street (P.O. Box 472)		
City, State, Zip:	Pasadena, TX 77501		
Contact:	Steve Livesay	Title:	EHS Manager
Phone No:	713-740-8371	Fax No:	713-740-8310
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD008096158		
State I.D.	30465	SIC Code:	2869

SECTION 2: Billing Information – ☐ Same as Above

Company:	Ethyl Corporation	Title:	Account Rep
Address:	P.O. Box 472	Fax No:	713-740-8310
City, State, Zip:	Pasadena, TX 77501		
Contact:	Accounts Payable		
Phone No:	713-740-8371		

SECTION 3: General Description of the Waste

Name of Waste: Oily Sludge from Miscellaneous Cleanout/Cleaning Activities

Detailed Description of Process Generating Waste: Mannich, PIBSA, PAP and other lube and fuel additive production process, including small spill clean-up waste material

Physical State: ☒ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Brown/Black **Odor:** Oil Like

Specific Gravity (water=1): .85-1.20 **Density:** 10 lbs/gal

Layers: ☒ Single-phase ☒ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain) _____
Container Size: 55 g _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 10 Other:

Texas State Waste Code No: 90286031

Proper U.S. DOT Shipping Name: Non-RCRA , Non-DOT Regulated Material

Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

[illegible]

Flash Point >140	pH 8-12.0	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 10-100%
Oil & Grease >1500mg/l	TOC >1500mg/l	Zinc <100mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	0-70	%
Oil with dirt and sludge, oily pads, booms, rags and misc. trash	5-100	%
Organic Amine	0-5	%
Phenol/o-Cresol	0.0-0.002	%
Small Qtys or methanol, formaldehyde, Dimethyl Aminopropyl amine,	0.0-0.007	%
Tetraethylenepentamine, & 1,2,4 trimethylbenzene		

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

none Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

Analytical
↓

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Harold Steven Livesay

Date:

3/20/06

Printed Name/Title:

Harold Steven Livesay, Manager, Reg Affairs

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CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: R. Hahn R. Hahn Additional Information: _____Date: 3-22-06 ☒ Approved ☐ RejectedApproval Number: 1442 OSL**SECTION 10: Waste Receipt Classification Under 40 CFR 437**Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from nonpetroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 22S, Deer Park, TX 77536

Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: 7136761676

Attn: Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#: 6030102

Client Sample ID: Light End Sludge

Extended ID: Ethyl Cory

Sample Collect Date: 3/3/2006 @ 11:00:00 AM

Sample Type: Grab

Sample Receipt Date: 3/6/2006 @ 2:20:00 PM

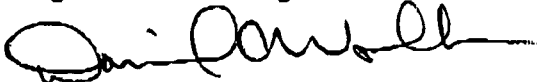
Test Group / Method

TCLP Metals (8) Method: SW-846 6010B						Analyst: CKIME Date / Time
	MDL	RL	Result	Units		
Arsenic	0.014	5	0.016	mg/L		3/13/2006 / 4:45 PM
Barium	0.0005	100	0.126	mg/L		3/13/2006 / 4:45 PM
Cadmium	0.002	1	< 0.002	mg/L		3/13/2006 / 4:45 PM
Chromium	0.002	5	0.066	mg/L		3/13/2006 / 4:45 PM
Lead	0.005	5	0.010	mg/L		3/13/2006 / 4:45 PM
Selenium	0.024	1	0.038	mg/L		3/13/2006 / 4:45 PM
Silver	0.002	5	< 0.002	mg/L		3/13/2006 / 4:45 PM
TCLP Mercury Method: SW-846 7470A						Analyst: CKIME Date / Time
	MDL	RL	Result	Units		
Mercury	0.0002	0.2	< 0.0002	mg/L		3/13/2006 / 5:38 PM
TCLP Sem-Volatiles Method: SW-846 8270C						Analyst: TFR Date / Time
	MDL	RL	Result	Units		
Pyridine	0.05	5	< 0.05	mg/L		3/15/2006 / 8:33 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L		3/15/2006 / 8:33 PM
o-Cresol	0.05	200	2.66	mg/L		3/15/2006 / 8:33 PM
m+p-Cresol	0.05	200	4.10	mg/L		3/15/2006 / 8:33 PM
Hexachloroethane	0.05	3	< 0.05	mg/L		3/15/2006 / 8:33 PM
Nitrobenzene	0.05	2	< 0.05	mg/L		3/15/2006 / 8:33 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L		3/15/2006 / 8:33 PM
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L		3/15/2006 / 8:33 PM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L		3/15/2006 / 8:33 PM
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L		3/15/2006 / 8:33 PM
Hexachlorobenzene	0.05	0.13	< 0.05	mg/L		3/15/2006 / 8:33 PM
Pentachlorophenol	0.50	100	< 0.50	mg/L		3/15/2006 / 8:33 PM

- CERTIFICATE OF RESULTS -**MES Lab#:** 6030102**Client Sample ID:** Light End Sludge**Extended ID:** Ethyl Cory**Sample Collect Date:** 3/3/2006 @ 11:00:00 AM**Sample Type:** Grab**Sample Receipt Date:** 3/6/2006 @ 2:20:00 PM

Reactivity, Recoverable Hydrogen Cyanide				Analyst: AS	
Method: 7.3.3.2	MDL	Result	Units	Date / Time	
Hydrogen Cyanide	0.25	< 0.25	mg/kg	3/8/2006 / 4:00 PM	
Reactivity, Recoverable Hydrogen Sulfide				Analyst: AS	
Method: 7.3.4.2	MDL	Result	Units	Date / Time	
Hydrogen Sulfide	0.25	< 0.25	mg/kg	3/7/2006 / 2:50 PM	
Corrosivity: pH				Analyst: CL	
Method: SW-846 9045	MDL	Result	Units	Date / Time	
pH		3.63		3/8/2006 / 2:00 PM	
Ignitability				Analyst: CL	
Method: SW-846 1010	MDL	Result	Units	Date / Time	
Flashpoint		>150	deg F	3/9/2006 / 11:30 AM	

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit



Daniel C Wolbrecht, Laboratory Manager

Thursday, March 16, 2006

Date

6030102

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES**% REC**

2-Fluorophenol	103.0
Phenol-d6	77.4
Nitrobenzene-d5	54.2
2-Fluorobiphenyl	111.0
2,4,6-Tribromophenol	33.5
p-Terphenyl-d14	102.7

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Arsenic	< 0.002	100.3	91.9	8.72	< 0.002	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	94.2	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

ANALYTE**STD**

Flashpoint 92°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	7.76	7.76	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	< 0.25	< 0.25	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD	STD %REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	105

Mercury Environmental Services, Inc.

EPAHO112000573

6030102
Page 2

QA/QC REPORT CONTINUED

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature: 

Daniel C. Wolbrecht / Laboratory Manager

March 16, 2006

Mercury Environmental Services, Inc.

EPAHO112000574

COMPANY NAME: (BILL TO:) CEJ

COMPANY ADDRESS: _____

CITY _____ STATE _____ ZIP _____


CONTACT PERSON'S NAME: Gary Brauchman

CONTACT PERSON'S PHONE: 713-417-5737 FAX #: _____

2	YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
	E 44 / corp	1746 Gary	
PROJECT ADDRESS:			

[illegible]

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):

6 a. Gary Brauchman b. 

7	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)

METHOD OF PAYMENT	SHIPPED BY: (Signature)	CARRIER (Signature)
-------------------	----------------------------	------------------------

8 ☒ Return Sample Remainder To Client Via Gary Bruckner

MES

- CHAIN OF CUSTODY

1-800-771-4MES

(281) 476-4534

Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536

Fax (281)-476-4406

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4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1442

Customer: Ethyl Corporation

Waste Generator: Ethyl Corporation

Waste Stream Name: Oily Sludge from miscellaneous cleanout / cleaning activities.

Expiration Date: 3/22/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

Analysis is NOT required for recertification.

Please send new profile as waste stream has changed.

The following analysis is required for recertification. Please submit results of the following tests.

Ethyl Corporation
Customer Name

Duraine Kay
Signature

Sr. Envir. Specialist
Company / Title

5/11/2009
Date

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

1443

Proler Southwest

Profile # 1443



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

L.A.

Waste Pre-Acceptance/Approval Letter

Date 3/21/2006

Dear Leslie Smith

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1443

Generator: Proler Southwest
Address: 90 Hirsch Rd
Houston, TX 77052

Waste Information

Name of Waste: Recyclable Oily Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water from metal recycling operations. Oil and coolants are collected off recycled metals and from areas around the recycling facility where metals are stored.

Color: Varies

Odor: Oil like

pH: na

Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000578



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Proler Southwest, Inc.
Address: 90 Hirsch Rd.
City, State, Zip: Houston, TX 77052
Contact: Leslie Smith Title: Production Superintendent
Phone No: 713-671-2900 Fax No: 713-671-9292
24/hr Phone: 713-539-6894
U.S. EPA I.D. No: Na
State I.D. Na SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: Proler Southwest, Inc.
Address: PO Box 53028
City, State, Zip: Houston, TX 77052
Contact: Leslie Smith Title: Production Superintendent
Phone No: 713-671-2900 Fax No: 713-671-9292

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Oily Water

Detailed Description of Process Generating Waste: Oily water from metal recycling operations. Oil and coolants are collected off recycled metals and from areas around the recycling facility where metals are stored.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Varies

Odor: None oil like

Specific Gravity (water=1): .9

Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: 5000

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other:

Texas State Waste Code No: Recyclable

Proper U.S. DOT Shipping Name: Recyclable Oily Water Mixture

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0-2%
Oil&Grease >100mg/l	TOC Namg/l	Zinc Namg/l	Copper Namg/l	Nickel Namg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Oil		5-20	%
Water		70-90	%
Coolants		5-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

~~None~~ Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

~~None~~

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

~~None~~ Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒ X
TCLP Volatiles: ☒ X
TCLP Semi-Volatiles: ☒ X
Reactivity: ☒ X
Corrosivity: ☒ X
Ignitability: ☒ X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Leslie C Smith

Date: 03/16/06

Printed Name/Title: Leslie C Smith Prod. Supt.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robb R. Thayer

Additional Information: _____

Date: 3-21-06

☒ Approved

☐ Rejected

Approval Number: 1443

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l.
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☒ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1443

Customer: Proler Southwest

Waste Generator: Proler Southwest

Waste Stream Name: Recyclable Oily Water

Expiration Date: 3/21/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Proler Southwest

Customer Name

Leslie Smith

Signature

Prod Sept.

Company / Title

JAN 24, 2008

Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

PCT

1444

Ethy Corporation

Profile # 1444



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

L.A.

Waste Pre-Acceptance/Approval Letter

Date 3/22/2006

Dear Billy LeBlanc

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1444

Generator: Ethyl Corporation
Address: 1000 N. South Street
Pasadena, TX 77501

Waste Information

Name of Waste: Lube Additives / Waste Oils

TCEQ Waste Code #: Recycle

Container Type: Drum

Detailed Description of Process Generating Waste:

Mannich, PIBSA, PAP, and other lube and fuel additive from production processes.

Color: Brown / Black

Odor: Oil Like

pH: 8-12

Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000585



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Ethyl Corporation		
Address:	1000 N. South Street (P.O. Box 472)		
City, State, Zip:	Pasadena, TX 77501		
Contact:	Steve Livesay	Title:	EHS Manager
Phone No:	713-740-8371	Fax No:	713-740-8310
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD008096158		
State I.D.	30465	SIC Code:	2869

SECTION 2: Billing Information - ☐ Same as Above

Company:	Ethyl Corporation		
Address:	P.O. Box 472		
City, State, Zip:	Pasadena, TX 77501		
Contact:	Accounts Payable	Title:	Account Rep
Phone No:	713-740-8306	Fax No:	713-740-8310

SECTION 3: General Description of the Waste

Name of Waste: Lube Additives/Waste Oils

Detailed Description of Process/Generating Waste: Mannich, PIBSA, PAP and other lube and fuel additive production processes

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Brown/Black **Odor:** Oil Like

Specific Gravity (water=1): .85-1.00 Density: 8 lbs/gal

Layers: ☒ **Single-phase** ☒ **Multi-phase**

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 q

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 10

Texas State Waste Code No: NA-Recylable Material

Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Material

Class: NA **UN/NA:** NA **PG:** NA **RO:** NA

Flash Point ≥140	pH 8-12.0	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids ≤3%
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[illegible]

Oil & Grease >1500mg/l	TOC >1500mg/l	Zinc <100mg/l	Copper 0mg/l	Nickel 0mg/l
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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		0-70	%
Light Ends Oil		30-100	%
Organic Amine		0-5	%
Phenol/o-Cresol		0.0-0.002	%
Small Qtys or methanol, formaldehyde, Dimethyl Aminopropyl amine, Tetraethylenepentamine, & 1,2,4 trimethylbenzene		0.0-0.007	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Chlor D Test Results

E Analytical

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SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

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SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

X Analytical
X
X
X
X
X
X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Harold Steven Livesay

Date: 3/20/06

Formatted

Printed Name/Title:

Harold Steven Livesay, Manger, Reg Affairs

Formatted

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Brahman Thayer

Additional Information:

Date:

3-22-06

Approved

Rejected

Approval Number:

1444

REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from nonpetroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organicsubcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: 7136761676

Attn: Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#: 6030102
Client Sample ID: Light End Sludge
Extended ID: Ethyl Cory

Sample Collect Date: 3/3/2006 @ 11:00:00 AM
Sample Receipt Date: 3/6/2006 @ 2:20:00 PM

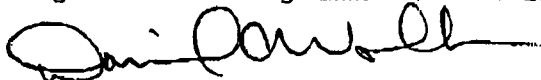
Sample Type: Grab

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B					Analyst: CKIME Date / Time
MDL	RL	Result	Units		
Arsenic	0.014	5	0.016	mg/L	3/13/2006 / 4:45 PM
Barium	0.0005	100	0.126	mg/L	3/13/2006 / 4:45 PM
Cadmium	0.002	1	< 0.002	mg/L	3/13/2006 / 4:45 PM
Chromium	0.002	5	0.066	mg/L	3/13/2006 / 4:45 PM
Lead	0.005	5	0.010	mg/L	3/13/2006 / 4:45 PM
Selenium	0.024	1	0.038	mg/L	3/13/2006 / 4:45 PM
Silver	0.002	5	< 0.002	mg/L	3/13/2006 / 4:45 PM
TCLP Mercury Method: SW-846 7470A					Analyst: CKIME Date / Time
MDL	RL	Result	Units		
Mercury	0.0002	0.2	< 0.0002	mg/L	3/13/2006 / 5:38 PM
TCLP Sem-Volatiles Method: SW-846 8270C					Analyst: TFR Date / Time
MDL	RL	Result	Units		
Pyridine	0.05	5	< 0.05	mg/L	3/15/2006 / 8:33 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	3/15/2006 / 8:33 PM
o-Cresol	0.05	200	2.66	mg/L	3/15/2006 / 8:33 PM
m+p-Cresol	0.05	200	4.10	mg/L	3/15/2006 / 8:33 PM
Hexachloroethane	0.05	3	< 0.05	mg/L	3/15/2006 / 8:33 PM
Nitrobenzene	0.05	2	< 0.05	mg/L	3/15/2006 / 8:33 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	3/15/2006 / 8:33 PM
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L	3/15/2006 / 8:33 PM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L	3/15/2006 / 8:33 PM
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L	3/15/2006 / 8:33 PM
Hexachlorobenzene	0.05	0.13	< 0.05	mg/L	3/15/2006 / 8:33 PM
Pentachlorophenol	0.50	100	< 0.50	mg/L	3/15/2006 / 8:33 PM

- CERTIFICATE OF RESULTS -**MES Lab#:** 6030102**Client Sample ID:** Light End Sludge**Extended ID:** Ethyl Cory**Sample Collect Date:** 3/3/2006 @ 11:00:00 AM**Sample Type:** Grab**Sample Receipt Date:** 3/6/2006 @ 2:20:00 PM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: AS Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	3/8/2006 / 4:00 PM
Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: AS Date / Time
Hydrogen Sulfide	0.25	< 0.25	mg/kg	3/7/2006 / 2:50 PM
Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		3.63		3/8/2006 / 2:00 PM
Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: CL Date / Time
Flashpoint		>150	deg F	3/9/2006 / 11:30 AM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit**Daniel C Wolbrecht, Laboratory Manager****Thursday, March 16, 2006****Date**

6030102

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES**% REC**

2-Fluorophenol	103.0
Phenol-d6	77.4
Nitrobenzene-d5	54.2
2-Fluorobiphenyl	111.0
2,4,6-Tribromophenol	33.5
p-Terphenyl-d14	102.7

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Arsenic	< 0.002	100.3	91.9	8.72	< 0.002	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	94.2	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

ANALYTE**STD**

Flashpoint 92°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	7.76	7.76	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	< 0.25	< 0.25	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD	STD %REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	105

Mercury Environmental Services, Inc.

EPAHO112000592

6030102
Page 2

QA/QC REPORT CONTINUED

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature: 

Daniel C. Wolbrecht / Laboratory Manager

March 16, 2006

Mercury Environmental Services, Inc.

EPAHO112000593

[illegible]



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1444

Customer: Ethyl Corporation

Waste Generator: Ethyl Corporation

Waste Stream Name: Lube Additives / Waste Oils

Expiration Date: 3/22/2009

yes



As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please send new profile as waste stream has changed.

The following analysis is required for recertification. Please submit results of the following tests.

Dewaine Kay
Customer Name

Dewaine Kay
Signature

Ethyl / Sr. Envr. Spec.
Company / Title

3/30/09
Date

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

TO 860
 From 3 Clor
 Date: 1/28/06
 Re: Ethyl LT
 1/20/06

INSTRUCTIONS FOR

CLOR-D-TECT® 1000

Used Oil Screening Kit

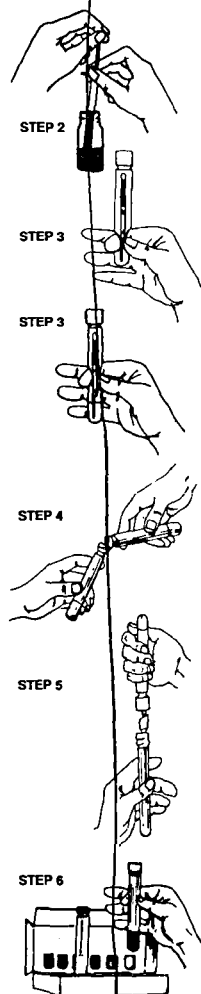
Test kit for chlorine contamination in used oil

EACH KIT CONTAINS:

1. Tube #1 - A plastic test tube with a white dispensing cap containing a colorless ampule (bottom) and a yellow-dotted, gray ampule (top).
2. Tube #2 - A plastic test tube with yellow cap containing 7 ml of buffer solution, a yellow-dotted ampule (bottom) and a red-green ampule (top).
3. A 1 ml polypropylene sampling syringe and a tissue wipe.
4. A plastic filtration funnel.
5. A glass ampule contained in a cardboard sleeve and plastic tube designated as "Disposal Ampule".

READ CAUTION AND INFORMATION SECTIONS ON BACK BEFORE PERFORMING TEST. WEAR RUBBER GLOVES AND SAFETY GLASSES.

DIRECTIONS



1. **PREPARATION** Remove contents from box. Check contents to ensure that all items are present and intact. Place the two plastic tubes into the holder at the front of the box.

2. **SAMPLE PREPARATION** Unscrew the white dispensing cap from Tube #1. Work the plunger on the empty sampling syringe a few times to ensure that it slides easily. Place the tip of the syringe into the oil sample to be tested and slowly pull back on the plunger until it reaches the stop and cannot be pulled further. Remove the syringe from the oil sample and wipe any excess oil from the outside of the syringe with the enclosed tissue. Place the tip of the syringe in Tube #1 and dispense the oil sample by depressing the plunger. Replace the white dispensing cap securely.

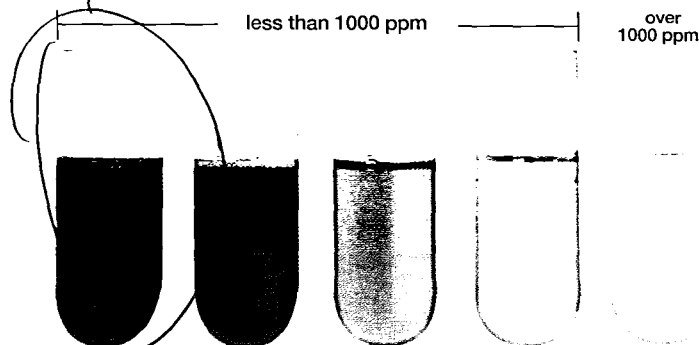
3. **REACTION** Break the bottom (colorless) ampule in the tube by compressing the sides of the tube. Mix thoroughly by shaking the tube vigorously for about 30 seconds. Break the top (gray) ampule in the tube and shake thoroughly for about 20 seconds. Allow the reaction to proceed for an additional 40 seconds (total of one minute), while shaking intermittently several times.

4. **EXTRACTION** Remove the caps from both tubes and pour the clear buffer solution from Tube #2 (yellow cap) into Tube #1. Replace the white cap tightly on Tube #1 and shake vigorously for about 10 seconds. Vent the tube carefully by partially unscrewing the dispensing cap. Close securely and shake well for an additional 10 seconds. Vent again, tighten cap and stand tube upside down on its cap. Allow the phases to separate for a full two minutes.

5. **ANALYSIS** Put the plastic filtration funnel into Tube #2. Position Tube #1 over funnel and open nozzle on the dispensing cap. Be sure to point the nozzle away from the operator while opening it, and check that the nozzle is open completely before dispersing the clear solution. Dispense 5 mls of the clear solution through the filter into Tube #2 (up to the 5 ml line) by squeezing the sides of Tube #1. Close the nozzle on the dispensing cap on Tube #1 and remove the filter funnel from Tube #2. Replace the yellow cap on Tube #2 and break the bottom (colorless, yellow-dot) ampule and shake for 10 seconds. Break the top (colored) ampule and shake for 10 seconds.

6. **RESULTS** Observe the resultant color immediately and compare to the color chart below for chlorine determination.

7. **DISPOSAL** Open the "Disposal Ampule" container and drop the ampule into Tube #2. Replace the cap on the test tube. Crush the ampule by squeezing the sides of the tube. Shake for 5 seconds. This reagent immobilizes the mercury so that the kit passes the EPA's TCLP test. See caution section below for additional information on disposal.



DEXSIL®

CLOR-D-TECT 1000 IS A TRADEMARK OF THE DEXSIL CORPORATION AND IS COVERED UNDER U.S. PATENTS 5,013,667.

SUGGESTIONS FOR USING THE CLOR-D-TECT® 100G TEST KIT

- To test at 500 ppm chlorine instead of 1000, double the oil sample size by filling the sampling syringe twice.
- The kit is designed for testing used oils, and is not intended for use on water/oil mixtures that contain more than 20% water. For samples that contain more than 20% water, contact Dexsil about our Hydroclor-Q® kit designed for testing samples for chlorinated organic compounds in water.
- The kit works well on all types of waste and used oils including crankcase, hydraulic, diesel, lubricating, fuel oils and kerosene. It is designed for use only on oils which are hydrocarbon-based. Some oil, such as cutting oils which contain more than 3 or 4% sulfur, may give false positive results, false negatives are, however, unlikely. For any questions regarding the applicability of the kit on your sample, contact Dexsil's technical service department.
- The kit should be examined upon opening to see that all of the components are present and that all the ampules (5) are in place and not leaking. The liquid in Tube #2 (yellow cap) should be approximately 1/2 inch (1 cm) above the 5 ml line and the tube should not be leaking. The ampules are not intended to be completely full.
- Perform the test in a warm, dry area with adequate light. In cold weather, a truck cab is sufficient. If a warm area is not available, Step 3 should be performed while warming Tube #1 in palm of hand.
- Always crush the clear ampule in each tube first. If this sequence has not been followed, stop the test immediately and start over using another complete kit. When an incorrect testing sequence is followed, a false negative may result which may allow a contaminated sample to pass without detection.
- In Step 4, tip Tube #2 to an angle of only 45° to prevent the ampule holder from sliding out.

CAUTION

- When crushing the glass ampules, press firmly in the center of the glass ampule **ONCE**. Never attempt to recrush broken glass as it may come through the plastic and cut fingers.
- In case of accidental breakage onto skin or clothing, wash immediately with large amounts of water. All the ampules are poisonous and should not be taken internally.
- Do not carry kits on passenger aircraft.
- The gray ampule in the white-capped test tube contains metallic sodium. Metallic sodium is a flammable solid and is water reactive.
- Wear rubber gloves and safety glasses while performing test.
- Dispose of used kits properly. The mercury in Tube #2 is made insoluble by the disposable ampule and used kits will pass the USEPA TCLP test for land disposal. More stringent state and local regulations may apply. Contact Dexsil if you have any specific questions concerning disposal procedure.
- Read the Material Safety Data Sheet before performing the test.
- Keep Out of Reach of Children.

MANUFACTURER'S WARRANTY

This kit is warranted to be free of defects in material and workmanship until the expiration date stamped on the box. Manufacturer's sole and exclusive liability under this warranty shall be limited to replacement of any kit that is proved to be defective. Manufacturer shall not be liable for any incidental or consequential damages.

Reliable test results are highly dependent upon the care with which the directions are followed and, consequently, cannot be guaranteed.

This kit was manufactured by **DEXSIL®** Corporation
One Hamden Park Drive, Hamden, Connecticut 06517
(203) 288-3509 FAX: (203) 248-6523
<http://www.dexsil.com>



Printed on recycled paper.

Revision 4, 3/04

EPAHO112000597

BRANDT (NATIONAL OILW) 445
PROFILE # 1445



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1445

Customer: Brandt (National Oil Well Varco)

Waste Generator: Brandt (National Oil Well Varco)

Waste Stream Name: Paint Powder

Expiration Date: 3/27/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

DARLA WEAVER
Customer Name

[Signature]
Signature

NOV BRANDT SAFETY COORD.
Company / Title

2/26/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

A.G.

Waste Pre-Acceptance/Approval Letter

Date 3/27/2006

Dear John Rene'

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1445

Generator: Brandt (National Oil Well Varco)

Address: 2800 N. Frazier
Conroe, TX 77305-2327

Waste Information

Name of Waste: Paint Powder

TCEQ Waste Code #: 14774032

Container Type:

Detailed Description of Process Generating Waste:

Off-spec no longer usable product

Color: Varies (mostly red) **Odor:** None

pH: 3-11

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE (Level D)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000600

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Brandt NOV
Address: 2800 N. Frazier
City, State, Zip: Conroe, TX 77305-2327
Contact: John Rene' Title: HSE Supervisor
Phone No: 936-523-2624 Fax No: 936-523-2796
24/hr Phone: CES-713-676-1460
U.S. EPA I.D. No: TXD052040409
State LD: 36294 SIC Code:

SECTION 2: Billing Information - ☐ Same as Above

Company: Brandt NOV
Address: P.O. Box
City, State, Zip: Conroe, TX 77305-2327
Contact: Linda Kellogg Title: Accounts Payable
Phone No: 936-756-4800 Fax No: 936-523-2796

SECTION 3: General Description of the WasteName of Waste: Paint PowderDetailed Description of Process Generating Waste: Off-Spec no longer usable product

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: various mostly red Odor: none

Specific Gravity (water=1): 1.4 Density: 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 3 Other: _____
Texas State Waste Code No: 14774032

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point <u>>200</u>	pH <u>neutral</u>	Reactive Sulfides <u>0mg/l</u>	Reactive Cyanides <u>0mg/l</u>	Solids <u>100%</u>
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Oil & Grease <1500mg/l	TOC <1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l
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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Paint Powder (Unused Product)	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analysis, MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X

TCLP Volatiles: X

TCLP Semi-Volatiles: X

Reactivity: X

Corrosivity: X

Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: John F. Rene

Date: 3-27-06

Printed Name/Title: John Rene / HSE

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [Signature]

Additional Information: IS

Date: 3/27/06

Approved [Signature]

Rejected

Approval Number: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

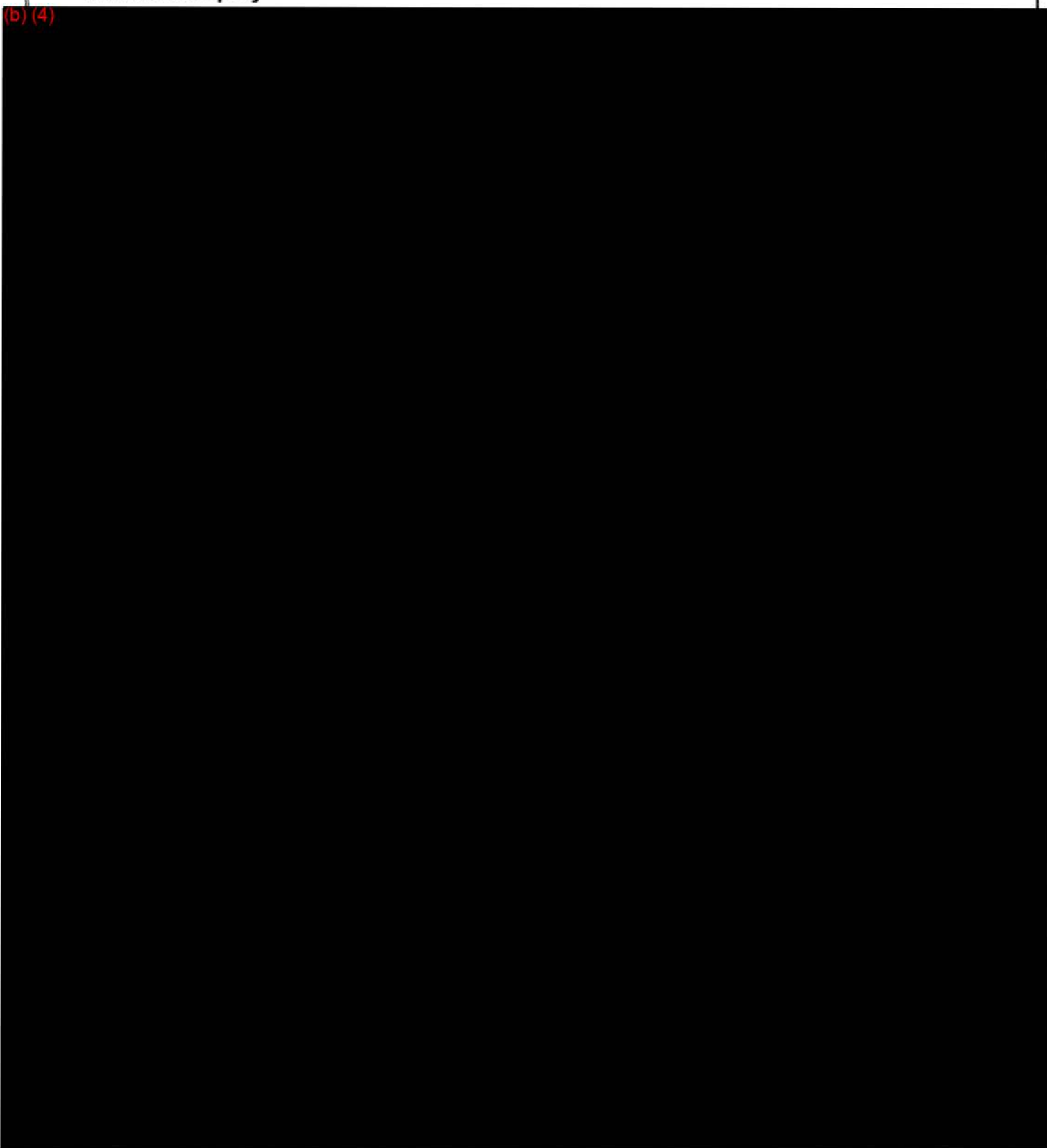
SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Tuboscope.

A Varco Company

MATERIAL SAFETY DATA SHEET



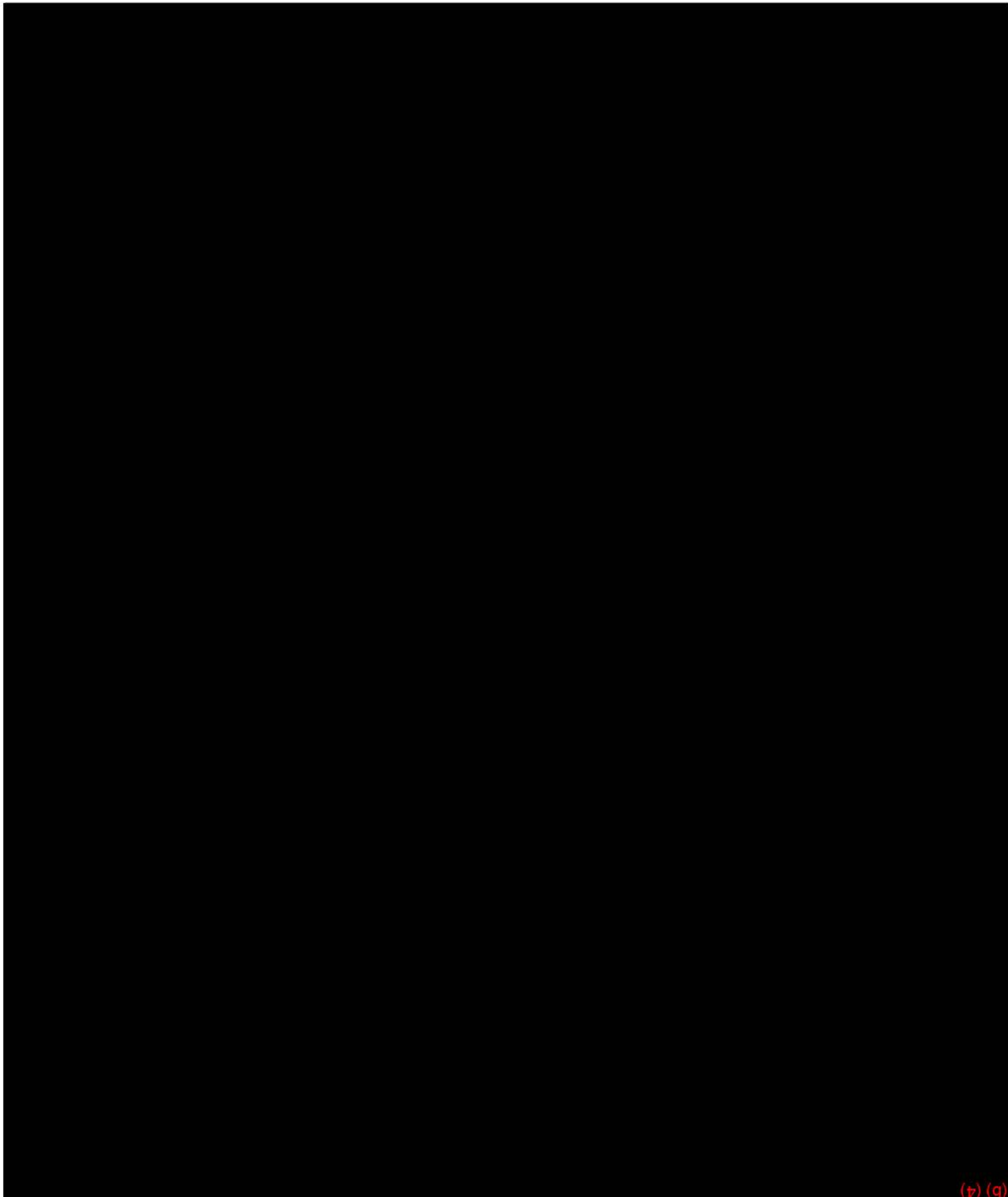
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FEB-16-2006 09:51 FROM:TUBOSCOPE VARCO

7137998170

TO:9193652327942703

P.3



Received Time Feb. 17. 10:00AM

Print Time Feb. 17. 10:04AM

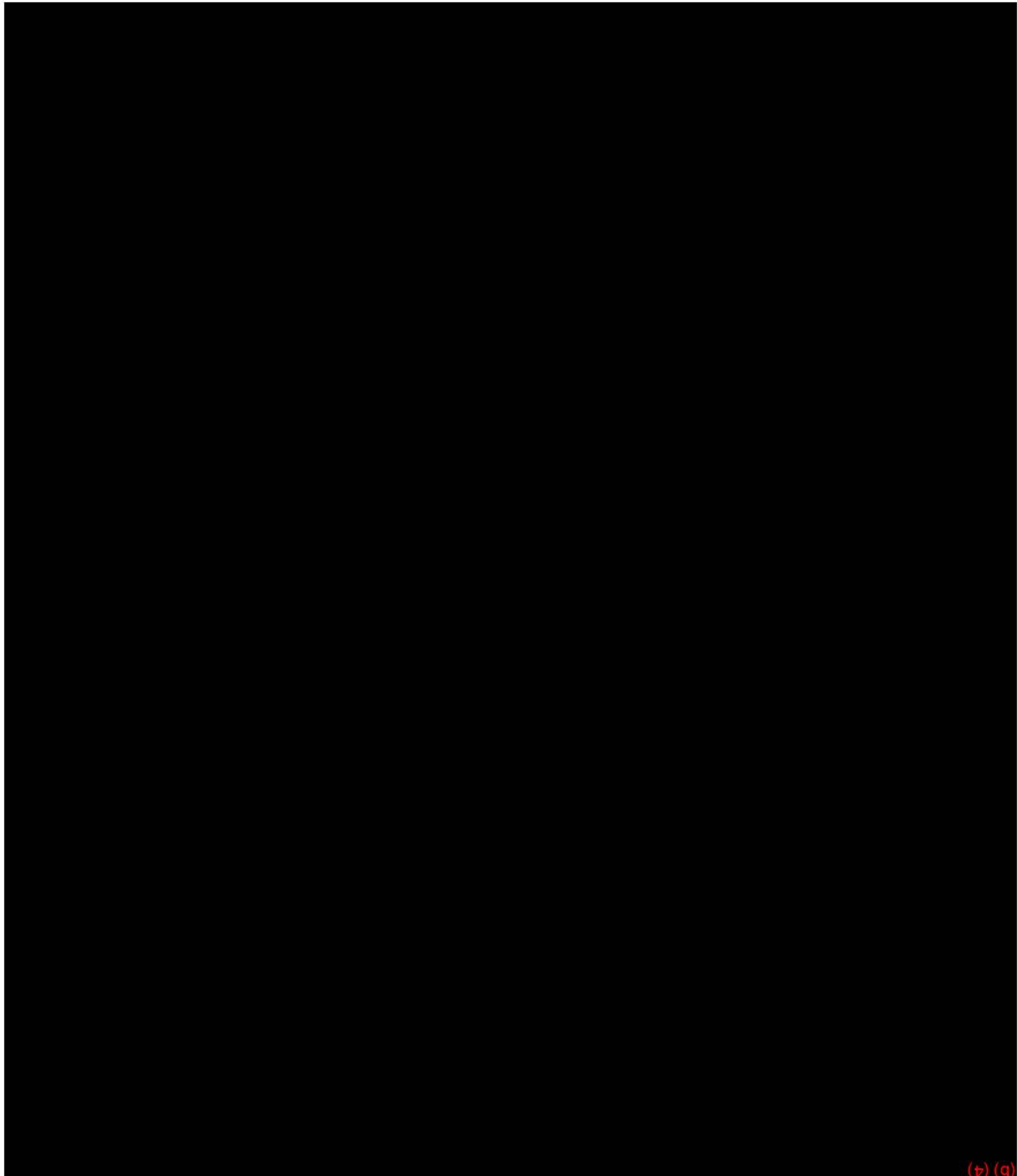
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FEB-16-2006 09:52 FROM:TUBOSCOPE VARCO

7137998170

TO:9193652327942703

P.4



Received Time Feb. 17. 10:00AM

Print Time Feb. 17. 10:04AM

(b) (q)

Mercury Environmental Services, Inc.6013 HWY 225, Deer Park, TX 77336
Phone (281)-476-4534 Fax (281)-476-4406Univar USA Inc
P O Box 4579
Houston, TX 77061-5044Phone: (713) 644-1801
Fax: (713) 641-5423

Attn: Julie Ruffino

- CERTIFICATE OF RESULTS -MES Lab#: 4070151
Client Sample ID: Coating Powder
Sample Type: Grab Tuboscope Conroe
Sample Collect Date: 7/8/2004 @ 9:00:00 AM
Sample Receipt Date: 7/8/2004 @ 5:00:00 PM
Extended ID: PO# Chemcare / 2800 N. Frazier, Conroe TX 77305**Test Group / Method**

TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: AM Date / Time
Antimony	0.032	1	<0.032	mg/L	7/14/2004 8:49 PM
Arsenic	0.05	5	<0.05	mg/L	7/14/2004 8:49 PM
Barium	0.002	100	1.54	mg/L	7/14/2004 8:49 PM
Beryllium	0.005	0.08	<0.005	mg/L	7/14/2004 8:49 PM
Cadmium	0.004	1	<0.004	mg/L	7/14/2004 8:49 PM
Chromium	0.007	5	<0.007	mg/L	7/14/2004 8:49 PM
Lead	0.010	5	<0.010	mg/L	7/14/2004 8:49 PM
Nickel	0.016	70	0.073	mg/L	7/14/2004 8:49 PM
Selenium	0.05	1	<0.05	mg/L	7/14/2004 8:49 PM
Silver	0.008	5	<0.008	mg/L	7/14/2004 8:49 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time
Mercury	0.005	0.2	<0.005	mg/L	7/14/2004 4:36 PM

Total Petroleum Hydrocarbons Solid Method: TNRC 1005	MDL	Result	Units	Analyst: TFR Date / Time
C6 - C12 Hydrocarbons	50	<50	mg/kg	7/9/2004 / 11:00 AM
>C12 - C28 Hydrocarbons	50	169	mg/kg	7/9/2004 / 11:00 AM
>C28 - C38 Hydrocarbons	50	<50	mg/kg	7/9/2004 / 11:00 AM
Total TPH	289	<269	mg/kg	7/9/2004 / 11:00 AM

- CERTIFICATE OF RESULTS -

MES Lab#: 4070151
Client Sample ID: Coating Powder
Sample Type: Grab Tuboscope Conroe
Sample Collect Date: 7/8/2004 @ 9:00:00 AM
Sample Receipt Date: 7/8/2004 @ 8:00:00 PM
Extended ID: PO# Chemcare / 2800 N. Frazier, Conroe TX 77305

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL: regulatory limit


Holland D Gilmora, Laboratory Director

Thursday, July 15, 2004
Date

4070150 - 4070151

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC
Antimony	< 0.032				< 0.032	99.7
Arsenic	< 0.005	91.6	93.8	2.29	< 0.005	102.0
Barium	< 0.002	97.5	97.5	0.00	< 0.002	101.0
Beryllium	< 0.005	88.8	89.8	1.12	< 0.006	101.0
Cadmium	< 0.004	87.5	88.3	0.86	< 0.004	91.2
Chromium	< 0.007	100.8	101.3	0.50	< 0.007	99.3
Lead	< 0.010	94.9	101.5	8.76	< 0.010	107.0
Mercury	< 0.0002	108.0	99.5	8.33	< 0.0002	109.0
Nickel	< 0.015	93.0	93.5	0.54	< 0.015	98.3
Selenium	< 0.005	87.3	89.0	1.99	< 0.005	100.0
Silver	< 0.008	84.0	96.0	2.11	< 0.008	98.6

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC
C8-C12		< 50	91.7	94.7	91.3
C12-C28		< 50	92.2	91.1	92.7

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

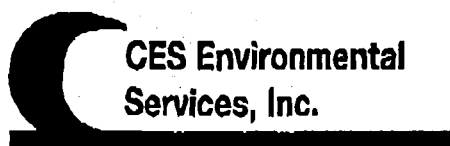
Signature: 

Holland D. Gilmore / Laboratory Director

July 15, 2004

Mercury Environmental Services, Inc.

BRANDT (NATIONAL OIL WELL)
PROFILE # 1446



4804 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1446

Customer: Brandt (National Oil Well Varco)

Waste Generator: Brandt (National Oil Well Varco)

Waste Stream Name: Used Oil

Expiration Date: 3/27/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

DARLA WEAVER
Customer Name

[Signature]
Signature

NOV BRANDT SAFETY COOK.
Company / Title

2/26/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

✓



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/27/2006

Dear John Rene'

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1446

Generator: Brandt (National Oil Well Varco)

Address: 2800 N. Frazier
Conroe, TX 77305-2327

Waste Information

Name of Waste: Used Oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Collection of oil from equipment fluid changes

Color: Brown

Odor: Oil Like

pH: 3-11

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE (Level D)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000613

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Brandt NOV
Address: 2800 N. Frazier
City, State, Zip: Conroe, TX 77305-2327
Contact: John Rene' Title: HSE Supervisor
Phone No: 936-523-2624 Fax No: 936-523-2796
24/hr Phone: CES-713-676-1460
U.S. EPA I.D. No: TXD052040409
State I.D. 36294 SIC Code:

SECTION 2: Billing Information -- ☐ Same as Above

Company: Brandt NOV
Address: P.O. Box
City, State, Zip: Conroe, TX 77305-2327
Contact: Linda Kellogg Title: Accounts Payable
Phone No: 936-756-4800 Fax No: 936-523-2796

SECTION 3: General Description of the WasteName of Waste: Used OilDetailed Description of Process Generating Waste: Collection of oil from equipment fluid changes

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Brown Odor: oil like

Specific Gravity (water=1): .90 Density: 8 lbs/gal

Layers: ☒ Single-phase ☒ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 5 Other: _____
Texas State Waste Code No: NA-Recyclable Material

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >200	pH neutral	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids <2%
Oil & Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Oil		85-100	%
Water		0-15	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Chlor-D-Test Results

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: John F. Rene

Date: 3-27-06

Printed Name/Title: John Rene

CEN USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: <u>[Signature]</u>	Additional Information: _____
Date: <u>3/27/06</u>	Approved <u>[Signature]</u> Rejected _____
Approval Number: <u>1446</u>	_____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

INSTRUCTIONS FOR

CLOR-D-TECT®1000

Used Oil Screening Kit

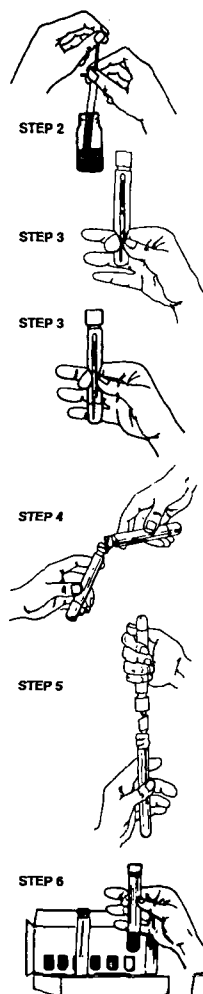
Test kit for chlorine contamination in used oil

EACH KIT CONTAINS:

1. Tube #1 - A plastic test tube with a white dispensing cap containing a colorless ampule (bottom) and a yellow-dotted, gray ampule (top).
2. Tube #2 - A plastic test tube with yellow cap containing 7 ml of buffer solution, a yellow-dotted ampule (bottom) and a red-green ampule (top).
3. A 1 ml polypropylene sampling syringe and a tissue wipe.
4. A plastic filtration funnel.
5. A glass ampule contained in a cardboard sleeve and plastic tube designated as "Disposal Ampule".

READ CAUTION AND INFORMATION SECTIONS ON BACK BEFORE PERFORMING TEST. WEAR RUBBER GLOVES AND SAFETY GLASSES.

DIRECTIONS



1. **PREPARATION** Remove contents from box. Check contents to ensure that all items are present and intact. Place the two plastic tubes into the holder at the front of the box.

2. **SAMPLE PREPARATION** Unscrew the white dispensing cap from Tube #1. Work the plunger on the empty sampling syringe a few times to ensure that it slides easily. Place the tip of the syringe into the oil sample to be tested and slowly pull back on the plunger until it reaches the stop and cannot be pulled further. Remove the syringe from the oil sample and wipe any excess oil from the outside of the syringe with the enclosed tissue. Place the tip of the syringe in Tube #1 and dispense the oil sample by depressing the plunger. Replace the white dispensing cap securely.

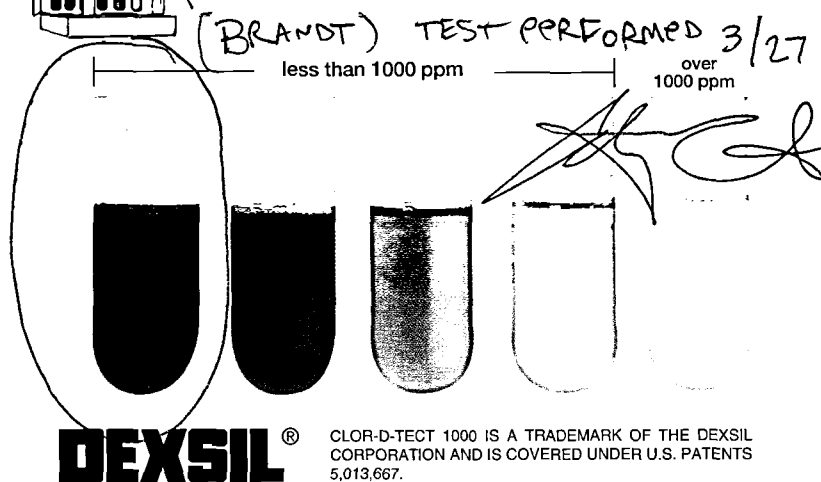
3. **REACTION** Break the bottom (colorless) ampule in the tube by compressing the sides of the tube. Mix thoroughly by shaking the tube vigorously for about 30 seconds. Break the top (gray) ampule in the tube and shake thoroughly for about 20 seconds. Allow the reaction to proceed for an additional 40 seconds (total of one minute), while shaking intermittently several times.

4. **EXTRACTION** Remove the caps from both tubes and pour the clear buffer solution from Tube #2 (yellow cap) into Tube #1. Replace the white cap tightly on Tube #1 and shake vigorously for about 10 seconds. Vent the tube carefully by partially unscrewing the dispensing cap. Close securely and shake well for an additional 10 seconds. Vent again, tighten cap and stand tube upside down on its cap. Allow the phases to separate for a full two minutes.

5. **ANALYSIS** Put the plastic filtration funnel into Tube #2. Position Tube #1 over funnel and open nozzle on the dispensing cap. Be sure to point the nozzle away from the operator while opening it, and check that the nozzle is open completely before dispersing the clear solution. Dispense 5 ml's of the clear solution through the filter into Tube #2 (up to the 5 ml line) by squeezing the sides of Tube #1. Close the nozzle on the dispensing cap on Tube #1 and remove the filter funnel from Tube #2. Replace the yellow cap on Tube #2 and break the bottom (colorless, yellow-dot) ampule and shake for 10 seconds. Break the top (colored) ampule and shake for 10 seconds.

6. **RESULTS** Observe the resultant color immediately and compare to the color chart below for chlorine determination.

7. **DISPOSAL** Open the "Disposal Ampule" container and drop the ampule into Tube #2. Replace the cap on the test tube. Crush the ampule by squeezing the sides of the tube. Shake for 5 seconds. This reagent immobilizes the mercury so that the kit passes the EPA's TCLP test. See caution section below for additional information on disposal.



SUGGESTIONS FOR USING THE CLOR-D-TECT® 1000 TEST KIT

- To test at 500 ppm chlorine instead of 1000, double the oil sample size by filling the sampling syringe twice.
- The kit is designed for testing used oils, and is not intended for use on water/oil mixtures that contain more than 20% water. For samples that contain more than 20% water, contact Dexsil about our Hydroclor-Q® kit designed for testing samples for chlorinated organic compounds in water.
- The kit works well on all types of waste and used oils including crankcase, hydraulic, diesel, lubricating, fuel oils and kerosene. It is designed for use only on oils which are hydrocarbon-based. Some oil, such as cutting oils which contain more than 3 or 4% sulfur, may give false positive results, false negatives are, however, unlikely. For any questions regarding the applicability of the kit on your sample, contact Dexsil's technical service department.
- The kit should be examined upon opening to see that all of the components are present and that all the ampules (5) are in place and not leaking. The liquid in Tube #2 (yellow cap) should be approximately 1/2 inch (1 cm) above the 5 ml line and the tube should not be leaking. The ampules are not intended to be completely full.
- Perform the test in a warm, dry area with adequate light. In cold weather, a truck cab is sufficient. If a warm area is not available, Step 3 should be performed while warming Tube #1 in palm of hand.
- Always crush the clear ampule in each tube first. If this sequence has not been followed, stop the test immediately and start over using another complete kit. When an incorrect testing sequence is followed, a false negative may result which may allow a contaminated sample to pass without detection.
- In Step 4, tip Tube #2 to an angle of only 45° to prevent the ampule holder from sliding out.

CAUTION

- When crushing the glass ampules, press firmly in the center of the glass ampule **ONCE**. Never attempt to recrush broken glass as it may come through the plastic and cut fingers.
- In case of accidental breakage onto skin or clothing, wash immediately with large amounts of water. All the ampules are poisonous and should not be taken internally.
- Do not carry kits on passenger aircraft.
- The gray ampule in the white-capped test tube contains metallic sodium. Metallic sodium is a flammable solid and is water reactive.
- Wear rubber gloves and safety glasses while performing test.
- Dispose of used kits properly. The mercury in Tube #2 is made insoluble by the disposable ampule and used kits will pass the USEPA TCLP test for land disposal. More stringent state and local regulations may apply. Contact Dexsil if you have any specific questions concerning disposal procedure.
- Read the Material Safety Data Sheet before performing the test.
- Keep Out of Reach of Children.

MANUFACTURER'S WARRANTY

This kit is warranted to be free of defects in material and workmanship until the expiration date stamped on the box. Manufacturer's sole and exclusive liability under this warranty shall be limited to replacement of any kit that is proved to be defective. Manufacturer shall not be liable for any incidental or consequential damages.

Reliable test results are highly dependent upon the care with which the directions are followed and, consequently, cannot be guaranteed.

This kit was manufactured by **DEXSIL®** Corporation
One Hamden Park Drive, Hamden, Connecticut 06517
(203) 288-3509 FAX: (203) 248-6523
<http://www.dexsil.com>



Printed on recycled paper.

Revision 4, 3/04

BRANDT (NATIONAL OIL) ~~1452~~
PROFILE # 1452



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1452

Customer: Brandt (National Oil Well Varco)

Waste Generator: Brandt (National Oil Well Varco)

Waste Stream Name: TPH Contaminated Absorbent

Expiration Date: 3/28/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

DARLA WEAVER
Customer Name

[Signature]
Signature

NOV BRANDT SAFETY COORD.
Company / Title

2/26/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

L.A.

Waste Pre-Acceptance/Approval Letter

Date 3/28/2006

Dear **John Rene'**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1452

Generator: Brandt (National Oil Well Varco)

Address: 2800 N. Frazier
Conroe, TX 77305-2327

Waste Information

Name of Waste: TPH Contaminated Absorbent

TCEQ Waste Code #: 14804091

Container Type:

Detailed Description of Process Generating Waste:

Clean-up of oil spills at lube oil and motor oil dispensing stations

Color: Various

Odor: Oil Like

pH: 3-11

Physical State:

Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE (Level D)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000622



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Brandt NOV		
Address:	2800 N. Frazier		
City, State, Zip:	Conroe, TX 77305-2327		
Contact:	John Rene'	Title:	HSE Supervisor
Phone No:	936-523-2624	Fax No:	936-523-2796
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD052040409		
State I.D.	36294	SIC Code:	

SECTION 2: Billing Information - ☐ Same as Above

Company:	Brandt NOV		
Address:	P.O. Box		
City, State, Zip:	Conroe, TX 77305-2327		
Contact:	Linda Kellogg	Title:	Accounts Payable
Phone No:	936-756-4800	Fax No:	936-523-2796

SECTION 3: General Description of the Waste

Name of Waste: TPH Contaminated Absorbent

Detailed Description of Process Generating Waste: Clean-up of oil spills at lube oil and motor oil dispensing stations

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: various

Odor: oil like

Specific Gravity (water=1): 2.0

Density: 12 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: 14804091

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: <u>NA</u>	UN/NA: <u>NA</u>	PG: <u>NA</u>	RQ: <u>NA</u>
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Flash Point >200	pH neutral	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 100%
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Oil & Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l
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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Clay Absorbent		0-100	%
Oil		0-5	%
Misc. Trash, PPE, etc.		0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

NA

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SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

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SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
 TCLP Volatiles: X
 TCLP Semi-Volatiles: X
 Reactivity: X
 Corrosivity: X
 Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: John F. ReneDate: 3-28-06

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Printed Name/Title: John F. Rene

Formatted

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [Signature]Additional Information: PERDate: 3/28/06Approved [Signature]

Rejected

Approval Number: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☒ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oil Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☒ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

NATIONAL OILWELL 1454
PROFILE 1454



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

A.C.

Waste Pre-Acceptance/Approval Letter

Date 3/29/2006

Dear **Jamie French**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1454

Generator: National Oilwell (Roberds Johnson)

Address: 210 Magnolia
Galena Park, TX 77547

Waste Information

Name of Waste: Paint Filters

TCEQ Waste Code #: CESQ3191

Container Type: Cubic Yard Sack

Detailed Description of Process Generating Waste:

Filters from paint booth capturing overspray

Color: Varies **Odor:** None **pH:** N/A

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE (Level D)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000627



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: National Oil Well
Address: 210 Magnolia
City, State, Zip: Galena Park, TX 77547
Contact: Kelth Hoyer Title: EH & S Manager
Phone No: 713-356-7200 Fax No: 713-356-7420
24/hr Phone: CES-713-676-1460
U.S. EPA I.D. No: TXR000047399
State I.D. 86932 SIC Code:

SECTION 2: Billing Information - ☒ Same as Above

Company: National Oil Well (Attn: Accounts Payable)
Address: P.O. Box 472
City, State, Zip: Galena Park, TX 77547
Contact: Jamie French Title: 713-356-7216
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Paint Filters
Detailed Description of Process Generating Waste: Filters from paint booth capturing overspray

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: various Odor: none

Specific Gravity (water=1): 8 Density: 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: Cubic Yard Sack

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other:

Texas State Waste Code No: CESQ3191

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >200	pH neutral	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 100%
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Oil & Grease ≥1500mg/l	TOC ≥1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l
--------------------------------------	-------------------------	----------------------	------------------------	------------------------

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Fiberglass Filter		95-100	%
Inert Dried Paint		0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Date: 3/22/06

Printed Name/Title:

CES USE ONLY (DO NOT WRITE IN THIS SPACE)
 Compliance Officer: _____
 Date: 3/29/06 _____ Approved _____ Rejected _____
 Approval Number: 1454 _____

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536

Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd
Houston, TX 77021

Phone (713) 676-1460

Fax: (281) 676-1676

Attn: Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#: 5080053

Client Sample ID: Paint Filters

Extended ID: National Oil Well - GP

Sample Collect Date: 8/3/2005 @ 12:30:00 PM

Sample Type: Grab

Sample Receipt Date: 8/3/2005 @ 1:40:00 PM

Test Group / Method

TCLP Metals (11) Method: SW-846 6010B					Analyst: DCW Date / Time	
	MDL	RL	Result	Units		
Antimony	0.032	1	< 0.032	mg/L	8/8/2005 /	8:44 PM
Arsenic	0.014	5	< 0.014	mg/L	8/8/2005 /	8:44 PM
Barium	0.0005	100	1.59	mg/L	8/8/2005 /	8:44 PM
Beryllium	0.0005	0.08	< 0.0005	mg/L	8/8/2005 /	8:44 PM
Cadmium	0.002	1	0.016	mg/L	8/8/2005 /	8:44 PM
Chromium	0.002	5	0.005	mg/L	8/8/2005 /	8:44 PM
Lead	0.005	5	0.029	mg/L	8/8/2005 /	8:44 PM
Nickel	0.003	70	0.021	mg/L	8/8/2005 /	8:44 PM
Selenium	0.024	1	< 0.024	mg/L	8/8/2005 /	8:44 PM
Silver	0.002	5	< 0.002	mg/L	8/8/2005 /	8:44 PM
Vanadium	0.002		< 0.002	mg/L	8/8/2005 /	8:44 PM
TCLP Mercury Method: SW-846 7470A					Analyst: DCW Date / Time	
	MDL	RL	Result	Units		
Mercury	0.0002	0.2	0.0004	mg/L	8/8/2005 /	9:27 PM
BTEX Method: SW-846 8021B					Analyst: TFR Date / Time	
	MDL		Result	Units		
Benzene	0.005		0.010	mg/kg	8/8/2005 /	11:41 PM
Toluene	0.005		0.119	mg/kg	8/8/2005 /	11:41 PM
Ethyl benzene	0.005		0.054	mg/kg	8/8/2005 /	11:41 PM
M+P-Xylene	0.005		0.235	mg/kg	8/8/2005 /	11:41 PM
o-Xylene	0.005		0.178	mg/kg	8/8/2005 /	11:41 PM
2-Butanone	0.005		0.527	mg/L	8/8/2005 /	11:41 PM

- CERTIFICATE OF RESULTS -

MES Lab#: 5080053
Client Sample ID: Paint Filters
Extended ID: National Oil Well - GP

Sample Collect Date: 8/3/2005 @ 12:30:00 PM
Sample Receipt Date: 8/3/2005 @ 1:40:00 PM

Sample Type: Grab

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

AD:

Holland D. Gilmore, Laboratory Director

Tuesday, August 09, 2005

Date

5080053

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC
Antimony	< 0.005	100.6	105.1	4.37	< 0.005	104.7
Arsenic	< 0.002	101.0	99.2	1.80	< 0.002	99.0
Barium	< 0.0002	108.0	103.9	3.87	< 0.0002	98.3
Beryllium	< 0.0002	101.9	101.6	0.34	< 0.0002	102.5
Cadmium	< 0.001	104.3	106.5	2.14	< 0.001	99.4
Chromium	< 0.001	108.0	106.0	1.82	< 0.001	101.7
Lead	< 0.002	104.7	104.0	0.70	< 0.002	97.0
Mercury	< 0.0002	89.0	89.5	0.56	< 0.0002	98.9
Nickel	< 0.001	98.5	103.5	4.95	< 0.001	103.0
Selenium	< 0.024	82.3	77.4	6.11	< 0.024	100.9
Silver	< 0.001	109.4	105.4	3.72	< 0.001	102.2

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	STD %REC
Benzene		< 0.005	90.8	91.0	0.22	89.6
Toluene		< 0.005	100.0	101.0	1.00	98.9
Ethylbenzene		< 0.005	99.8	104.0	4.12	99.7
m+p Xylene		< 0.005	102.0	112.0	9.35	110.3
o-Xylene		< 0.005	97.3	108.0	10.42	103.2

SURROGATE SPIKE RECOVERY FOR BTEX**% REC**

Dibromofluoromethane	106.1
Toluene-d8	87.2
4-Bromofluorobenzene	104.2

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank

LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
Rec=Percent Recovery

Signature: **Holland D. Gilmore / Laboratory Director**

August 9, 2005

Mercury Environmental Services, Inc.

EPAHO112000632



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1454

Customer: NOV (Magnolia)

Waste Generator: NOV (Magnolia)

Waste Stream Name: Paint Filters

Expiration Date: 3/29/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number. (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

National Oilwell Varco
Customer Name

[Signature]
Signature

HSE Mgr.
Company / Title

6/4/08
Date

☐ Analysis is NOT required for recertification.

☒ The following analysis is required for recertification.
Please submit results of the following tests.

- ☒ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☒ Ignitability



ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO: 63162.01

1 of 3

Customer: CES Env. Sample ID: 0408-75 Environ ID: 63162.01
Project ID: NOV Magnolia Dr./Sunbelt Labs Paint Filters Sampled: 04-22-08 15:00
Project Loc: Galena Pk., Stafford Matrix: Solid Received: 04-22-08
Charge/P.O.: Type: Reported: 05-08-08

ANALYTE/ PARAMETER	RESULT	UNITS	REG. LIMIT	SQL	TEST METHOD	TEST BY	DATE	TIME
FLASH								
Ignitability	> 160	°F	> 140	--	EPA SW846.1010	LC	04-24-08	11:15
METALS - TCEQ-TCLP					EPA SW846.1311	MN	04-22-08	
Antimony	< 0.1	mg/l	1.0	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Arsenic	< 0.1	mg/l	1.8	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Barium	< 2.0	mg/l	100	2.0	EPA SW846.6010B	JA	04-25-08	16:16
Beryllium	< 0.05	mg/l	0.08	0.05	EPA SW846.6010B	JA	04-25-08	16:16
Cadmium	< 0.1	mg/l	0.5	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Chromium	< 0.1	mg/l	5.0	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Lead	< 0.1	mg/l	1.5	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Nickel	< 0.1	mg/l	70	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Selenium	< 0.1	mg/l	1.0	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Silver	< 0.2	mg/l	5.0	0.2	EPA SW846.6010B	JA	04-25-08	16:16
Mercury	< 0.02	mg/l	0.200	0.02	SW846.7470A	MN	04-28-08	14:00

Key: TCLP - Toxicity Characteristic Leaching Procedure REG - Regulatory Limit (User Should Verify)

EPA - Environmental Protection Agency

SQL - Method Quantitation Limit

TCEQ - Texas Commission on Environmental Quality RCVD - As Received (Wet) Basis

TPH - Total petroleum Hydrocarbons

mg/l - Milligrams per Liter (PPM Volume)

GRO - Gasoline Range, DRO - Diesel Range, ORO - Oil Range

mg/kg - Milligrams per Kilogram (PPM Weight)

John Keller

John Keller, Ph.D.
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: METALS METHOD: EPA SW846/6010 MATRIX: LIQUID

ANALYST: JA DATE: 04.25.08 UNITS: PPM (mg/l) NO.SAMPLES: 16

SAMPLES:	63154.01	63154.02	63156.01	63162.01	63164.01	63165.01	63166.01	63174.01
	63174.02	63174.03	63174.04	63176.01	63177.01	63179.01	63179.02	63181.01

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 63154.01

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF. %	CONT. CALIB.	METHOD BLANK	QC LIMITS	
									RECOV.	DIFF.
Arsenic	0.00	5	5.38	108	105	2	95	0	75 - 125	20
Barium	0.00	5	5.30	106	103	3	97	0	75 - 125	20
Cadmium	0.00	5	5.30	106	104	2	98	0	75 - 125	20
Chromium	0.00	5	5.27	105	105	1	99	0	75 - 125	20
Lead	0.00	5	5.27	105	105	0	100	0	75 - 125	20
Selenium	0.00	5	5.38	108	106	1	97	0	75 - 125	20
Silver	0.00	5	5.28	106	103	3	99	0	75 - 125	20


JOHN KELLER, Ph.D
Laboratory Director



CHAIN OF CUSTODY

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: <u>CES ENVIRONMENTAL</u>		Invoice To: <u>SAME</u>		TAT (WORKING DAYS) CIRCLE ONE 1 2 3 5	
Company:		Company: Same		LAB LOT #	
Address: <u>4904 Griggs Rd</u>		Address:		Shipment Sealed? (Yes) No	
City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77021</u>		City: State: Zip:		Samples Sealed? (Yes) No	
Phone: <u>(713) 676-1460</u>		Phone:		Received on Ice? Yes (No)	
Fax: <u>(713) 676-1676</u>		Fax:		Cooler Temp. (°C) <u>Amb</u>	
e-Mail:		PO#:		Hold Time OK? (Yes) No	
		Quote#:		Preservative Shown? Yes No (NA)	
Project Name: <u>NOV MAGNOLIA DR / SUNBELT LASS</u>		Sampler Remarks:		Res. Cl2 Check OK? Yes No (NA)	
Project Location: <u>MAGNOLIA DR, GALENA PARK, MOORE RD</u>		2 Cntr. Type <u>P</u>		COC & Labels Agree? (Yes) No	
Project No:		Number <u>2</u>		pH Check OK? Yes No (NA)	
Sampler (Print): <u>Dustin Tasi</u>		Volume <u>32oz</u>		Remarks & Additional Analyses	
Sampler (Sign):		3 Preservative <u>8</u>			
EEL USE ONLY (LAB NO.)		SAMPLE ID.		DATE/TIME SAMPLED	
1) <u>63162.01</u>		<u>0408-75 (PAINT FILTERS)</u>		<u>4/22/00 3:00</u>	
2) <u>.02</u>		<u>0408-83 (W/W)</u>		<u>4/22/00 1:00</u>	
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
Relinquished By: <u>Dustin Tasi</u> Print Name: Company: <u>CES</u> Date: <u>4/22</u> Time: <u>4:00 PM</u>		Received By: <u>[Signature]</u> Print Name: Company: Date: <u>4/22/00</u> Time: <u>4:00</u>			
Relinquished By: Print Name: Company: Date: Time:		Received By: Print Name: Company: Date: Time:			
Relinquished By: Print Name: Company: Date: Time:		Received By: Print Name: Company: Date: Time:			
Matrix Key S: Soil W: Water WW: Waste Water SL: Sludge SO: Solid SE: Sediment L: Leachate WI: Wipe OR: Organic OL: Oil DS: Drum Solid DL: Drum Liquid O: Other Container Type Key P: Plastic G: Glass V: VOA Glass O: Other Preservative Key 1: Ice (<4°C) 2: HCL 3: H2SO4 4: HNO3 5: NaOH 6: NaOH+Zn Acetate 7: Na2S2O3 8: None					

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

TEXAS WATER MANAGEMENT 1456
CES # 1456

7E
8-5-09
T-36
LAB



4904 Griggs Road
Houston, TX 77021
Tel. (713) 876-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1456

Customer: Texas Water Management

Waste Generator: Texas Water Management

Waste Stream Name: Recyclable Hydrocarbon and Water Mixture

Expiration Date: 3/30/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Mah Affair
Customer Name

[Signature]
Signature

[Signature]
Company / Title

2/26/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

L.A.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/30/2006

Dear Mark

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1456

Generator: Texas Water Management
Address: 71 Alden Glen Dr
The Woodlands, TX 77382

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Pumping of fuel tanks and oil water from daf units

Color: Tan to Gray **Odor:** Slight Hydrocarbon **pH:** 6-8

Physical State:

Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000641


**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Generator Information

Company: Texas Water Management
 Address: 71 Alden Glen dr
 City, State, Zip: Woodlands, Tx 77382
 Contact: Mark Title: President
 Phone No: 281-685-4420 Fax No: 936-321-9792
 24/hr Phone: _____
 U.S. EPA I.D. No: N/A
 State I.D.: N/A SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
 Address: _____
 City, State, Zip: _____
 Contact: _____ Title: _____
 Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable HydroCarbon and water mixture
 Detailed Description of Process Generating Waste: pumping of fuel tanks and oil water from Dotum

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Tan to Grey Odor: slight HydroCarbon

Specific Gravity (water=1): .9 Density: 8 lbs/gal

Layers: ☒ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 3000-5000 gal

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): _____ Other: _____

Texas State Waste Code No: NA - RECYCLE

Proper U.S. DOT Shipping Name: _____

Class: 3 UN/NA: 1993 PG: III RQ: N/A

Flash Point <u>100 or above</u>	pH <u>6-8</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>0.5</u> %
Oil & Grease <u>100-200</u> mg/l	TOC <u>3500</u> mg/l	Zinc <u>0-40</u> mg/l	Copper <u>0</u> mg/l	Nickel <u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	nr %
Water	75 to 99	%
oil or gas	1 to 25	%
Dirt	0 to 5%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

W/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

NONE

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

NONE

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
 TCLP Volatiles: X
 TCLP Semi-Volatiles: X
 Reactivity: X
 Corrosivity: X
 Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 3/28/06

Printed Name/Title: _____

PRESIDENT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Additional Information: _____

Date: 3/30/06

Approved [Signature]

Rejected _____

Approval Number: _____

1456

SECTION 10: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oil Subcategory: Subpart B

- ☒ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☒ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☒ Underground storage remediation waste
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
☒ Oils Subcategory
☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

N/A

KINDER MORGAN 1521
PROFILE # 1521

L. Am

For you, Gary.

This is the
product with
the % of Benzene
in it.

- Shannon



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1521

Customer: Kinder Morgan

Waste Generator: Kinder Morgan

Waste Stream Name: Recyclable Hydrocarbon and Water Mixture

Expiration Date: 4/21/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

Johnny Salinas
Customer Name

Johnny Salinas
Signature

EHS Specialist
Company / Title

8/21/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability



FAX COVER LETTER

DATE: 8/22/08

TO: Shannon

FAX NUMBER: 713-676-1676

FROM: Sohnny

FAX NUMBER: 713-450-7485

NO. OF PAGES: 60 (Including Cover)

COMMENTS: Thanks

VERIFICATION PHONE NUMBER: 713-450-7412

906 CLINTON DRIVE
GALENA PARK, TX 77547


**CES Environmental
Services, Inc.**

4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

 SW
JR
#1521
SECTION 1: Generator InformationCompany: Kinder Morgan - Galena ParkAddress: 906 Clinton DriveCity: Galena Park State: TX Zip: 77547Contact: Johnny Salinas Title: _____Phone Number: 713-920-8441 Fax Number: 713-450-748524/hr Phone Number: 713-725-5984US EPA ID No: TXD026481523

State ID No: _____ SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact: _____ Title: _____

Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the WasteName of Waste: Recyclable Hydrocarbon & Water Mixture

Detailed Description of Process Generating Waste: _____

Rinsing of tank previously containing aromatic concentrate product.
 Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination
Color: Pale Yellow to clear Odor: HydrocarbonSpecific Gravity (water=1): .73 to .89 Density: Vapor >1 lbs/galDoes this material contain any total phenolic compounds? ☐ Yes ☒ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☒ NoIs the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phaseContainer Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)Frequency: ☐ Weekly ☐ Monthly ☐ Yearly ☒ One-TimeQuantity: 6,000-8,000

☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is It:

☐ D001 (Ignitable)

☐ D002 (Corrosive)

☐ D003 (Reactive)

Characteristic for Toxic Metals:

☐ 0004

D005

□ D006

□ D007

D008

☐ D009

☐ 0010

D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

RECYCLE

Proper US DOT Shipping Name:

RQ, Hydrocarbon Liquids, N.O.S. (benzene, toluene, xylene, dicyclopentadiene)

Class: 3 UN/NA:

UN3295

PG :

RQ:

10

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>100		5-9		0 <u>mg/l</u>		N/A <u>mg/l</u>		2 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

PPE For Flammable material & proper breathing for Benzene / Toluene

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

See MSDS

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	BRL
TCLP Volatiles:	BRL
TCLP Semi-Volatiles:	BRL
Reactivity:	Non-Reactive
Corrosivity:	Non-Corrosive
Ignitability:	Ignitable

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

8/21/2008

Printed Name/Title: _____

Johnny Salinas

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

☐ Approved☐ Rejected

Approval Number: _____



**CES Environmental
Services, Inc.**

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

<p>\$69/m #30/10 Mgmt</p>	<p>\$175/washout</p>
-------------------------------	----------------------

2. Contamination Limit (maximum limit before surcharges apply):

--

3. Surcharge Pricing:

--

4. Special Testing Requirements:

--

5. Treatment and Handling Protocol:

--

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

EPAHO112000655



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

Make Folder name of profile - Recent from Jimmy

COMPANY	ACTIO CMS	ACTIO GATEKEEPER	MSDS VAULT	ACTIO REGULATOR	ACTIO MSD
Main	Location	Search	Administrator	Tools	+

Log Off

English

English

KINDER MORGAN

Kinder Morgan MSDS Vault

Current Location: All Kinder Morgan -> Liquids Terminals ->

PRINT

EMAIL

LABEL

ORIGINAL MSDS

GLOSSARY

View Section :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

101

Product Name:

Aromatic Concentrate

Synonyms:

Raw Aromatic Concentrate; Pyrolysis Gasoline (Pygas); Debutanized Aromatic Concentrate; Dripolene; Steam Cracked Naphtha; Primary Light Oil; Aromatic Gasoline; C5-C9 Hydrocarbons; Crude Benzene; Hydrotreated BTX; Benzene Concentrate, Light Aromatic Concentrate, Light Aromatic Distillate

Chemical Family:

Aromatic Hydrocarbons

Manufacturer MSDS.:

101-1

NFPA

Distributor Name:

Texas Aromatics, LP

Distributor Address:

3555 Timmons Lane Ste# 700
Houston, Texas 77027

Distributor Telephone:

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or
Accident Call CHEMTREC-Day or Night (800) 424-9300
(713) 520-2900

Revision Date:

JANUARY 25, 2005
Supersedes: APRIL 30, 2002

Manufacturer Name:

Texas Aromatics, LP

DESCRIPTIVE FORMULA: Mixture, see Section 2

HMIS

CHEMICAL NAMES: Raw Aromatic Concentrate; Pyrolysis Gasoline (Pygas); Debutanized Aromatic Concentrate; Dripolene; Steam Cracked Naphtha; Primary Light Oil; Aromatic Gasoline; C5-C9 Hydrocarbons; Crude Benzene; Hydrotreated BTX; Benzene Concentrate, Light Aromatic Concentrate, Light Aromatic Distillate


Hazard Code Key:

0 = Insignificant
1 = Slight
2 = Moderate
3 = High
4 = Extreme.

* National Fire Protection Association. Rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

HEALTH	3
FIRE	4
REACTIVITY	1
PPE	

** Hazardous Materials Identification System, National Paint and Coatings Association. Rating applies to product "as packaged" (i.e., ambient temperature).

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

101


Ingredient Name	CAS#	Ingredient Percent
C4 Hydrocarbons		0-7.7% by Weight
1,3 Butadiene	106-99-0	0.0-4.9% by Weight
Vinyl Acetate	108-05-4	0.0-1.0% by Weight
C5 Hydrocarbons		8-60% by Weight
CPD	542-92-7	
Trans piperylene	2004-70-8	
Isoprene	78-79-5	
Pentene-1	109-67-1	
Cyclopentene	142-29-0	
MCPD/CPD CODIMER	59444-91-6	
Isopentane	78-78-4	
Pentane	109-66-0	
Cis-pentene-2	142-29-0	
2-Methyl-butene-2	513-35-9	
Trans-1,3-pentadiene	2004-70-8	
1,3-Cyclopentadiene	542-92-7	
Cis-1,3-pentadiene	1574-41-0	
2-Methyl-1-pentene	763-29-1	
2-Methylpentene	107-83-5	

3-Methylpentene	96-14-0	
C6 - C8 Non-Aromatics		4-15% by Weight
Trans Hexene 2	4050-45-7	
1, 3-Cyclohexadiene	592-57-4	
Cyclohexane	110-82-7	
n-Hexane	110-54-3	
1-Hexene	592-41-6	
Benzene	71-43-2	12-69% by Weight
Toluene	108-88-3	2-19% by Weight
C8-C9 Aromatics		3-35% by Weight
Ethylbenzene	100-41-4	
Styrene	100-42-5	
Xylene	1330-20-7	
m-Xylene	108-38-3	
p-Xylene	106-42-3	
o-Xylene	95-47-6	
N-propyl-benzene	103-65-1	
Methyl-ethyl-benzenes	611-14-3	
Tri-methyl-benzenes	526-73-8	
1,2,4-Trimethylbenzene	95-63-6	
Vinyl-toluenes	25013-15-4	
C10+DCPD	77-73-6	10-24% by Weight
Indene	95-13-6	

CPD-MCPD Codimers

Naphthalene 91-20-3

Biphenyl 92-52-4

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SECTION 3 : HAZARDS IDENTIFICATION

101

Emergency Overview:

DANGER! TOXIC! EXTREMELY FLAMMABLE LIQUID AND VAPOR! CANCER HAZARD! Vapor is heavier than air and may spread long distances. Distant ignition and flashback are possible. Flammable liquid and vapor can accumulate static charge. Liquid can float on water and may travel to distant locations and/or spread fire. This product is considered harmful if inhalation, skin contact and if it is swallowed. This product is irritating to the eyes and skin. Excessive inhalation of this material may result in heartbeat irregularities and central nervous system effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possibly death. Ingestion may cause central nervous system effects and possible kidney and liver damage and blood disorders. Excessive inhalation of this material may cause damage to blood systems, and over time may cause kidney and liver damage, blood disorders and possibly cancer (leukemia).

Physical State:

Liquid

Color:

Pale Yellow

Odor:

A Pungent Odor

HMIS Ratings:

Health: 3

Fire: 4

Reactivity: 1

NFPA Ratings:

Health: 3

Fire: 4

Reactivity: 1

Hazard Code Key:

0 = Insignificant

1 = Slight

2 = Moderate

3 = High

4 = Extreme.

* National Fire Protection Association. Rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

** Hazardous Materials Identification System, National Paint and Coatings Association. Rating applies to product "as packaged" (i.e., ambient temperature)

Applies to All Ingredients :**Potential Health Effects:****Eye Contact:**

Causes irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.

Skin Contact:

Prolonged and/or repeated skin contact with this product may cause irritation, dermatitis, and possible chemical blistering. Product contains component(s) that may be absorbed through the skin. Prolonged contact with this product may cause allergic skin sensitization reactions.

Inhalation:

This product may be harmful by inhalation. Excessive inhalation may result in heartbeat irregularities and central nervous system effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions

	coma and possible death. Excessive inhalation of this material may cause damage to blood systems, and over time may cause kidney and liver damage, blood disorders and possibly cancer. Small amounts, if aspirated into the lungs, may cause mild to severe pulmonary injury.
Ingestion:	This product may be harmful if swallowed. Ingestion may result in CNS effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possibly death. Small amounts, if aspirated into the lungs, may cause mild to severe pulmonary injury.
Aggravation of Pre-Existing Conditions:	Blood dyscrasias, dermatitis, asthma, and pulmonary disease.

[To Top of page](#)

SECTION 4 : FIRST AID MEASURES

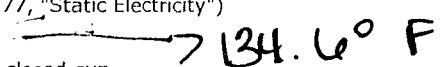
101

Eye Contact:	Immediately flush eyes with lukewarm water for at least 15 minutes while lifting upper and lower eyelids. Continue to flush the eyes if there is any indication of residual chemical. Seek medical attention immediately.
Skin Contact:	Remove contaminated clothing. Wash the affected area with soap and water. If irritation occurs, contact a physician. Launder contaminated clothing separately before reuse.
Inhalation:	Remove affected individual to fresh air while ensuring the rescuers utilize appropriate protective equipment. If breathing has ceased, administer artificial respiration. If no pulse is found administer cardiopulmonary resuscitation immediately. Obtain medical attention immediately.
Ingestion:	DO NOT INDUCE VOMITING! Immediately contact a physician.
Note to Physicians:	The decision of whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. If burn is present, treat as any thermal burn, after decontamination. Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.


[To Top of page](#)

SECTION 5 : FIRE FIGHTING MEASURES

101

Fire:	FIRE AND EXPLOSION HAZARDS: Keep vapors away from possible ignition sources. EXTREMELY FLAMMABLE. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Material is capable of accumulating a static charge which could act as an ignition source. (see NFPA pamphlet 77, "Static Electricity")
Flash Point:	-57 deg C 
Flash Point Method:	Cleveland closed cup
Upper Flammable or Explosive Limit:	12.0 (estimated)
Lower Flammable or Explosive Limit:	1.0 (estimated)
Extinguishing Media:	Dry chemical, foam, carbon dioxide, and water fog. Use of an inert foam extinguishing material may also assist in short term flammable vapor suppression. Use water to cool fire-exposed containers and to protect personnel. Water may be ineffective extinguishing medium. Monitor water run-off for flammability, and prevent from entering waterways, drains and sewers, or other confined or underground spaces.
Fire Fighting Equipment:	Fire-fighters should wear full-faced mask, self-contained breathing apparatus which provides eye protection. Use full turnout suit.
Unusual Fire Hazards:	Emptied container may still contain residual vapors or liquid which may ignite or explode. Do not cut, puncture or weld on or near the container. Keep container away from heat, sparks and open flame of any sort. Benzene is prone to static electric build-up and discharge. Always bond and ground containers when transferring this chemical.

Containers may explode in a fire. Vapors may explode if ignited in an enclosed space.

To Top of page 

SECTION 6 : ACCIDENTAL RELEASE MEASURES

101


Spill Cleanup Measures:

TOXIC HAZARD; FLAMMABLE LIQUID; FLAMMABLE VAPORS CAN SPREAD FROM SPILL. Eliminate all ignition sources. Ventilate the area. Isolate the hazard area (be prepared to evacuate unnecessary people at least 2000 feet if there is danger of exploding large containers). Notify Coast Guard and pollution authorities if spill will enter navigable waters.

Do not flush chemical into public sewer or water system. Stop leaks. Contain by diking, etc. Blanket large spills with foam to minimize fire hazard and reduce vaporization. Remove as much as possible. Soak-up large spill residue and small spills with inert absorbent. Place into closed labeled containers and store in a safe outdoor location to await proper disposal. Wash the spill area with soap and water to remove final traces. Personal protective equipment (including respiratory protection and clothing) should be utilized by persons performing this work.

DISPOSAL METHOD:

HAZARDOUS WASTE (EPA Hazardous Waste Number: D001 (Flammable Liquid)); Dispose of in a licensed hazardous waste disposal facility in accordance with all applicable Federal, State, and Local health and pollution laws and regulations.

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SECTION 7 : HANDLING and STORAGE


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Handling:

Keep locked up or secured. Handle in fully grounded, properly designed, and approved equipment systems that are suitable for flammable liquids. Keep away from heat and ignition sources. Dissipate static electricity during transfer by grounding and bonding containers and equipment. Do not pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Do not breathe gas, fumes, vapor, or spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested seek medical advice immediately. Avoid contact with skin and eyes. Keep away from incompatible materials such as oxidizing agents and acids. After handling, always wash hands thoroughly with soap and water.

Storage:

Ground and bond shipping container, transfer line, and receiving container. Keep away from heat, sparks, flame, and other sources of ignition. Protect containers against static electricity, lightning, and physical damage. Keep container tightly closed and in a well-ventilated place.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

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Ventilation System:

Use only with adequate ventilation. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Personal Protective Equipment Routine Handling:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Take necessary precautions to avoid thermal burns. Face shield, gloves, and organic vapor respirator advised when transferring and sampling. Have properly grounded system for all transfer and storage equipment to avoid development of a static charge.

Skin Protection Description:

Use protective, clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. Remove contaminated clothing no later than the end of the work period and clean before reuse. Contaminated leather items, such as shoes, belts, and watchbands, should be removed and destroyed.

Eye/Face Protection:

Use chemical goggles. If vapor exposure causes eye discomfort, use a fullface respirator.

Do not smoke or consume food or beverages in the work area. Wash thoroughly after handling the product.

Respiratory Protection:

Atmospheric levels should be maintained below the exposure guideline. When

Exposure Limits:

respiratory protection is required for certain operations, use an approved air-purifying respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive-pressure self-contained self-breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. In confined or poorly ventilated areas, use an approved positive-pressure supplied-air respirator.

MATERIAL: 1,3-Pentadiene 2,4,6

CAS#: 504-60-9

ACGIH TLV-TWA: Not Established

OSHA PEL-TWA: Not Established

Notes:

TLV-TWA - Threshold Limit Value - Time Weighted Average for concentration of the chemical substance in the ambient workplace air. (The skin notation calls attention to the skin as an additional significant route of absorption of the listed chemical.) American Conference of Governmental Industrial Hygienists (ACGIH)

OSHA PEL - OSHA Permissible Exposure Limit, 8-hour TWA. 29CFR 1910.1028, Transitional Limits column, Table Z-1-A, Table Z-2 and Table Z-3.

STEL - Short Term Exposure Limit, 15 minutes

MATERIAL: Benzene 1,2,3,4,5,6

CAS#: 71-43-2

Dermal LD50 Rabbit: > 9400 µL/kg

Oral LD50 Rat: 930 mg/kg.

Inhalation LC50 Rat: 10,000 ppm/7H

MATERIAL: Toluene 1,2,3,4,5,6

CAS#: 108-88-3

Oral LD50 Rat: 636 mg/kg

Inhalation LC50 Rat: 49 g/m³/4H

Dermal LD50 Rabbit: 14100 µL/kg

MATERIAL: Styrene 1,2,4,5,6

CAS#: 100-42-5

Oral LD50 Rat: 2650 mg/kg

Inhalation LC50 Rat: 12 g/m³/4H

MATERIAL: Xylenes 1,2,4,5,6 (M-,P- & o-)

CAS#: 1330-20-7

MATERIAL: Dicyclopentadiene 1,2,5,6

CAS#: 77-73-6

Oral LD50 Rat: 353 mg/kg

Inhalation LC50 Mouse: 145 mg/kg/4H

Dermal LD50 Rabbit: 5080 mg/kg

MATERIAL: 1,3-Butadiene 1,2,3,4,5,6

CAS#: 106-99-0

MATERIAL: Ethyl Benzene 1,2,4,5,6

CAS#: 100-41-4

MATERIAL: 1,3-Cyclopentadiene 2,4,5,6

CAS#: 542-92-7

Cyclopentadiene LD50: Not Established

Cyclopentadiene LC50 (rat, inhalation): 39 gm/m

MATERIAL: 1,3-Pentadiene 2,4,6

CAS#: 504-60-9

Inhalation LC50 Mouse: 1100 mg/m³/2H

Inhalation LC50 Rat: 140 g/m³/2H

MATERIAL: Isoprene

CAS#: 78-79-5

Inhalation LC50 Rat: 180 g/m³/4H

Inhalation LC50 Mouse: 139 g/m³/2H

Component: Benzene

ACGIH: A1-Human Carcinogen

IARC: Carcinogenic to humans

OSHA: Carcinogen

NTP: Known Carcinogen

Component: Styrene
IARC: Possibly carcinogenic

Component: Isoprene
IARC: Possibly carcinogenic
NTP: Reasonably Anticipated Carcinogen

Component: Ethylbenzene
ACGIH: Confirmed Animal Carcinogen
IARC: Possibly carcinogenic

Component: 1,3-Butadiene
ACGIH: Suspected Human Carcinogen
IARC: Probably carcinogenic To humans
OSHA: Carcinogen
NTP: Known Carcinogen

Legislative Footnotes:
1 Ingredient listed on SARA Section 313 List of Toxic Chemicals.
2 Ingredient listed on the Pennsylvania Hazardous Substances List.
3 Ingredient listed on the California listing of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity.
4 Ingredient listed on the Massachusetts Substance List.
5 Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.
6 Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Ingredient Guidelines

Ingredient: 1,3-Butadiene

Guideline Type:	ACGIH TLV-TWA
Guideline Information:	2 ppm
Guideline Type:	OSHA PEL-TWA
Guideline Information:	1 ppm
Guideline Type:	OSHA PEL-STEL
Guideline Information:	5 ppm

Ingredient: 1,3-Cyclopentadiene

Guideline Type:	OSHA PEL-TWA
Guideline Information:	75 ppm
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	75 ppm

Ingredient: Benzene

Guideline Type:	ACGIH TLV-TWA
Guideline Information:	0.5 ppm (Skin)
Guideline Type:	ACGIH TLV-STEL
Guideline Information:	2.5 ppm
Guideline Type:	OSHA PEL-TWA
Guideline Information:	1 ppm
Guideline Type:	OSHA PEL-STEL
Guideline Information:	5 ppm

Ingredient: C10+DCPD

Guideline Type:	OSHA PEL-TWA
Guideline Information:	5 ppm
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	5 ppm

Ingredient: Ethylbenzene

Guideline Type:	ACGIH TLV-TWA
Guideline Information:	100 ppm
Guideline Type:	ACGIH TLV-STEL
Guideline Information:	125 ppm
Guideline Type:	OSHA PEL-TWA

Guideline Information: 100 ppm
Guideline Type: OSHA PEL-STEL
Guideline Information: 125 ppm

Ingredient: Styrene


Guideline Type: ACGIH TLV-TWA
Guideline Information: 20 ppm (Skin)
Guideline Type: ACGIH TLV-STEL
Guideline Information: 40 ppm
Guideline Type: OSHA PEL-TWA
Guideline Information: 50 ppm
Guideline Type: OSHA PEL-STEL
Guideline Information: 100 ppm

Ingredient: Toluene

Guideline Type: ACGIH TLV-TWA
Guideline Information: 50 ppm (Skin)
Guideline Type: OSHA PEL-TWA
Guideline Information: 100 ppm
Guideline Type: OSHA PEL-STEL
Guideline Information: 150 ppm

Ingredient: Xylene


Guideline Type: ACGIH TLV-TWA
Guideline Information: 100 ppm
Guideline Type: ACGIH TLV-STEL
Guideline Information: 150 ppm
Guideline Type: OSHA PEL-TWA
Guideline Information: 100 ppm
Guideline Type: OSHA PEL-STEL
Guideline Information: 150 ppm

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

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Physical State/Appearance: Clear, liquid
Color: Slightly yellow to dark amber
Odor: Pungent, aromatic, highly irritating
Physical State: Liquid
Vapor Pressure: Reid vapor pressure 6-13 max.
Vapor Density: (AIR=1): > 1
Boiling Point: 80.0-650 deg F, 26-343 deg C
Solubility: IN WATER: Negligible
Specific Gravity: 0.73-0.89, 60/60 deg F
PHYSICAL DATA (Typical data, not specifications)

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SECTION 10 : STABILITY and REACTIVITY

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Chemical Stability: Material similar to gasoline. It may be ignited under almost all temperatures. Keep away from heat, flames, and spark-producing equipment. Avoid high temperatures which may cause decomposition and large pressure increases.


Conditions to Avoid: Material similar to gasoline. It may be ignited under almost all temperatures. Keep away from heat, flames, and spark-producing equipment. Avoid high temperatures which may cause decomposition and large pressure increases.

Incompatibilities with Other Materials: (Materials to Avoid): Reacts with chlorine, ozone, perchloryl fluoride, liquid oxygen and other strong oxidizing agents such as hydrogen peroxide, permanganates and perchlorates. Depending upon the amount and specific

materials involved, contact can result in intense heat, boiling, flame development, explosion or toxic gas generation. Spontaneous combustion may occur with sodium peroxide or potassium peroxide.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and small amounts of aromatic and aliphatic hydrocarbons.

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SECTION 11 : TOXICOLOGICAL INFORMATION

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Applies to all ingredients:

Inhalation Effects: MATERIAL: 1,3-Pentadiene 2,4,6
CAS#: 504-60-9
Inhalation LC50 Mouse: 1100 mg/m3/2H
Inhalation LC50 Rat: 140 g/m3/2H

Carcinogenicity: Contains benzene, a carcinogen listed by IARC, NTP and OSHA. Benzene has been shown to cause cancer in laboratory animals and humans. Contains styrene, listed by IARC, and 1,3- butadiene, listed by IARC and NTP, as potentia carcinogens. Contains naphthalene which has caused cancer in some laboratory animals.

Mutagenicity: (Effects on Genetic Material): Contains a few components which have caused some mutagenic activity in vitro (test tube) tests and in animals. Results of isoprene in vitro mutagenicity tests have been negative. Isoprene has been shown to have mutagenic activity in animals.

Teratogenicity: (Birth Defects): Contains components which have caused toxicity to the fetus or birth defects in mice. 1, 3- butadiene was toxic to the fetus in laboratory animal at doses nontoxic to the mother.

Reproductive Toxicity: In animal studies, benzene, styrene and toluene have been shown to affect reproductive capacity.

Other Toxicological Information: SYSTEMIC AND OTHER EFFECTS: Signs and symptoms of excessive exposure may be central nervous system effects, neurologic signs and symptoms, irritation to upper respiratory tract, and may cause hemopoietic injury (damage to blood forming organs). Contains components which may cause lung, CNS, liver and kidney effects and which have caused hearing loss in laboratory animals and/or humans. Can cause blood disorders.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Blood dyscrasias, dermatitis, asthma, and pulmonary disease.

HAZARDOUS INGREDIENT SPECIFIC MEDICAL DATA (if ingredient found in "pure" form):

1,3 Butadiene :

Acute Health Effects: Butadiene is irritating to the eyes and mucous membranes. Skin contact can result in burns or frost bite (due to rapid vaporization). Human systemic effects by inhalation are: cough, hallucinations, distorted perceptions, changes in the visual field and other unspecified eye effects. Butadiene is listed as an ACGIH suspected human carcinogen, an NTP anticipated human carcinogen and an IARC possible carcinogen.

Isoprene :

Acute Health Effects: Isoprene Repeated exposure to isoprene may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.

Inhalation Effects: Inhalation LC50 Rat: 180 g/m3/4H
Inhalation LC50 Mouse: 139 g/m3/2H

1,3-Cyclopentadiene :

Acute Health Effects: Cyclopentadiene May be irritating to the eyes and skin. It may also cause contact dermatitis and sensitization. Repeated exposure has produced CNS depression with terminal seizures, mild liver and kidney injury in experimental animals. Headache, abdominal pain, jaundice, and anemia may occur following chronic exposure.

Cyclopentadiene LD50: Not Established
Cyclopentadiene LC50 (rat, inhalation): 39 gm/m

Inhalation Effects:

Benzene :

Acute Health Effects: Benzene is a severe eye and moderate skin irritant. Human systemic effects by inhalation and ingestion are: euphoria, somnolence, changes in motor activity,

nausea, vomiting, reduced number of blood platelets, other unspecified blood effects, dermatitis and fever. Benzene has been shown to cause embryo/fetal toxicity and birth defects in laboratory animals, but only at doses which cause maternal toxicity. Benzene is a human carcinogen which produces myeloid leukemia and lymphomas by inhalation. It is listed as an OSHA carcinogen, an ACGIH, NTP and IARC human carcinogen.

Skin Effects: Dermal LD50 Rabbit: > 9400 µL/kg
Ingestion Effects: Oral LD50 Rat: 930 mg/kg.
Inhalation Effects: Inhalation LC50 Rat: 10,000 ppm/7H

Toluene :**Acute Health Effects:**

Toluene may cause central nervous system depression and is an ocular irritant. Inhalation and subcutaneous injections in high concentrations in rats caused high-frequency hearing loss. Toluene causes CNS narcosis; mild, transient irritation of the upper respiratory tract; hilarity; nausea; nasal discharge; drowsiness; ataxia; dizziness; cerebellar ataxia; cognitive dysfunction; metallic taste; loss of appetite; weakness; and palpitations. High concentrations are associated with CNS encephalopathy, headache, depression, and lassitude. Fetotoxicity appears at levels associated with CNS narcosis and occurs perhaps only in those with chronic toluene-induced kidney failure. Toluene does not result in the severe bone marrow depression that is characteristic of occupational benzene poisoning.

Skin Effects: Dermal LD50 Rabbit: 14100 µL/kg
Ingestion Effects: Oral LD50 Rat: 636 mg/kg
Inhalation Effects: Inhalation LC50 Rat: 49 g/m3/4H

Ethylbenzene :**Acute Health Effects:**

Ethyl benzene is an irritant of the skin and mucous membranes and appears systemically to have acute and possibly chronic effects on the central nervous system (CNS).

Styrene :**Acute Health Effects:**

Styrene may cause central nervous system depression, headaches, fatigue, nausea, and dizziness. Sensory nerve condition reductions can occur of reduced peripheral nerve conduction velocity and sensory amplitude that slowed reaction time and changes in worker visual ability. Severe intoxication may cause encephalopathy and hepatitis.

Ingestion Effects: Oral LD50 Rat: 2650 mg/kg
Inhalation Effects: Inhalation LC50 Rat: 12 g/m3/4H


Xylene :**Acute Health Effects:**

Xylenes are eye and skin irritants. Chronic xylene exposure may cause CNS damage. Human systemic effects by inhalation are: olfactory changes, conjunctiva irritation and pulmonary changes. Xylene vapor is an irritant of the eyes, mucous membranes, and skin. It has caused narcosis at high concentrations. Liquid xylene is a skin irritant and causes erythema, dryness, and defatting. At high doses xylene has been reported to cause unconsciousness, transient hepatic and renal toxicity. Xylene has been shown to cause embryo/fetal toxicity and birth defects in laboratory animals, but only at doses which cause maternal toxicity.

C10+DCPD :**Acute Health Effects:**

Dicyclopentadiene Exposure may occur by inhalation with little absorption through the skin. Irritating to the eye and skin. Testing indicates material is not a skin sensitizer. It is toxic to the CNS. Product is highly toxic through ingestion with possible effects including kidney and liver damage.

Skin Effects: Dermal LD50 Rabbit: 5080 mg/kg
Ingestion Effects: Oral LD50 Rat: 353 mg/kg
Inhalation Effects: Inhalation LC50 Mouse: 145 mg/kg/4H

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SECTION 12 : ECOLOGICAL INFORMATION

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Ecological Paragraph:

General Material Information: Pygas has been evaluated under ACC's HPV Group 5 mixtures (High Benzene Naphthas). Major components are highly volatile and will partition rapidly to air. Product is largely insoluble in water. It is considered to have moderate toxicity to aquatic algae, freshwater fish and invertebrates, based on toxic disruption of biological membrane function. Product has likely low to moderate absorption into soil and sediment.

Mobility: No information available for the product as a tested mixture. Benzene migrates in soils and in ground waters. Its airborne levels can be reduced by rain or water spray. Dicyclopentadiene is less mobile and may be less accessible to ground water than benzene and toluene components. DCPD has high affinity for soil adsorption. Xylene will be scavenged by rain. From the surface of water, half of the amount of xylene will be volatilized within 2 to 5.5 days.

Persistence/Degradability: Based on major components, these mixtures are expected to have significant biodegradation over a broad range of environmental conditions (natural attenuation). Benzene in air will photo-degrade with a calculated half-life of 13.4 days. This is accelerated in polluted atmospheres containing nitrogen or sulfur oxides. By products include phenol, nitrophenols, nitrobenzene, formic acid and peroxyacetyl nitrate. Benzene will biodegrade in soils and ground waters (half-life 16-28 days) under aerobic conditions. Limited degradation found under anaerobic conditions. Sewage treatment plants have been shown to remove 44-100%. DCPD in air will photo-degrade, with estimated half-life of 1-3 hours. DCPD in surface waters will volatilize in 3-4 hours, with some possible adsorption into suspended matter or sediment. This will degrade depending on temperature and water conditions in an estimated 80 days. DCPD biodegrades very slowly in ground waters or soils. Estimated half-life in soils is 4-7 years. When released into the air, xylene may degrade in air by reaction with photochemically produced hydroxyl radicals.

Bioaccumulation/Accumulation: No information available for the product as a tested mixture. Based on major components significant bioaccumulation is not expected to occur.

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SECTION 13 : DISPOSAL CONSIDERATIONS

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Waste Disposal:


Dispose of only in accordance with local, state, and federal regulations. Land disposal of this product is restricted. Do not contaminate any lakes, streams, ponds, groundwater, or soil. This product has the RCRA classification of benzene toxicity and ignitability. If discarded in its present form, it would have the hazardous waste numbers D018 and D001 respectively. Under RCRA, it is the responsibility of the user of the product to determine at time of disposal, whether the product meets criteria for hazardous waste since the products uses transformations, mixtures, processes, etc. may change the classification.

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Dispose of in a licensed hazardous waste disposal facility in accordance with all applicable Federal, State, and Local health and pollution laws and regulations.

EPA Waste Number:

HAZARDOUS WASTE (EPA Hazardous Waste Number: D001 (Flammable Liquid))

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SECTION 14 : TRANSPORT INFORMATION

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DOT Shipping Information:

DOT basic descriptions can vary based on package quantity and may not coincide with international description requirements. Consult the Hazardous Materials Regulations in 49CFR and the appropriate Dangerous Goods Regulations to confirm description applicability to specific shipments.

DOT Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene)

DOT UN Number:

UN3295

DOT Hazard Class:

3

DOT Packing Group:

II


DOT Subpart E Labeling Requirement:

Flammable liquid

Canadian Hazard Class:

3

Canadian UN Number: UN3295
 Canadian Shipping Label: Flammable liquid
 CGVS/GGVE/IMDG UN or NA Identification Number: UN3295
 CGVS/GGVE/IMDG Class: 3
 CGVS/GGVE/IMDG Packaging Group: II
 CGVS/GGVE/IMDG Subsidiary Risk Label: Flammable liquid
 Sea - IMDG: Shipping Name: Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene)
 Air - ICAO Shipping Name: Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, II Label required: Flammable liquid
 TDG (Canada) Shipping Name: Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), II

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SECTION 15 : REGULATORY INFORMATION

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Applies to All Ingredients :

Section 304: OTHER NOTES: CERCLA HAZARDOUS SUBSTANCE:
 Component: Hexane
 CERCLA RQ: 5000 lbs
 Component: 1,3-Pentadiene
 CERCLA RQ: 100 lbs
 Section 312 Hazard Category: SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
 Acute: Yes
 Chronic: Yes
 Fire: Yes
 State: MATERIAL: 1,3-Pentadiene
 CAS#: 504-60-9
 Ingredient listed on the Pennsylvania Hazardous Substances List.
 Ingredient listed on the Massachusetts Substance List.
 Ingredient listed on the New Jersey Right to Know Hazardous Substance List.
 Regulatory Paragraph: (Not meant to be all-inclusive--selected regulations represented.)
 Canada WHMIS: WHMIS (Canada) Classification
 Class B, Division 2: Flammable liquid
 Class D, Division 2, Subdivision B: Toxic material
 Class D, Division 2, Subdivision A: Very toxic material
 NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS Sheet for health and safety information.

1,3 Butadiene :

Section 304 CERCLA RQ: 10 lbs
 Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.
 CHEMICAL NAME: 1,3-BUTADIENE
 CAS NUMBER: 000106-99-0
 CONCENTRATION: 0.0 - 4.9%
 State: Ingredient listed on the Pennsylvania Hazardous Substances List.
 Ingredient listed on the California listing of Chemicals Known to the State to

Cause Cancer or Reproductive Toxicity.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.

Vinyl Acetate :

Section 302: SARA 302 Extremely Hazardous Substances:
CHEMICAL NAME: Vinyl acetate
CAS NUMBER: 108-05-4
CONCENTRATION: < 0.5%

Section 304: SARA 304 Extremely Hazardous Substances:
CHEMICAL NAME: Vinyl acetate
CAS NUMBER: 108-05-4
CONCENTRATION: < 0.5%

Isoprene :

Section 304 CERCLA RQ: 100 lbs

1,3-Cyclopentadiene :

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.

Benzene :

Section 304 CERCLA RQ: 10 lbs

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: BENZENE
CAS NUMBER: 000071-43-2
CONCENTRATION: 12 - 69%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the California listing of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.

Toluene :

Section 304 CERCLA RQ: 1000 lbs

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: TOLUENE
CAS NUMBER: 000108-88-3
CONCENTRATION: 2 - 19%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the California listing of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.

Ethylbenzene :

Section 304 CERCLA RQ: 1000 lbs

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: ETHYLBENZENE
CAS NUMBER: 000100-41-4

CONCENTRATION: 0.5 - 3.5%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.

Styrene :

Section 304 CERCLA RQ: 1000 lbs

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: STYRENE
CAS NUMBER: 000100-42-5
CONCENTRATION: 1.0 - 6.0%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.

Xylene :

Section 304 CERCLA RQ: 100 lbs

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: XYLENE (MIXED ISOMERS)
CAS NUMBER: 001330-20-7
CONCENTRATION: 0.5 - 2.6%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.

C10+DCPD :

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: DICYCLOPENTADIENE
CAS NUMBER: 000077-73-6
CONCENTRATION: 10 - 24%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.


Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.

Naphthalene :

Section 304 CERCLA RQ: 100 lbs

Section 313 Toxic Release Form: CHEMICAL NAME: NAPHTHALENE
CAS NUMBER: 000106-99-0
CONCENTRATION: 0 - 1.3%

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SECTION 16 : ADDITIONAL INFORMATION

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HMIS:

Health Hazard: 3 = High
Fire Hazard: 4 = Extreme
Reactivity: 1 = Slight

NFPA:

Health: 3 = High
Fire Hazard: 4 = Extreme

Reactivity: 1 = Slight
MSDS Revision Date: JANUARY 25, 2005
Supersedes: APRIL 30, 2002

Disclaimer:

NOTICE: The data and recommendations presented herein are based upon data which is considered to be accurate. However, Texas Aromatics, LP makes no guarantee or warranty, either expressed or implied, of the accuracy or completeness of these data recommendations. Where the information provided herein discloses a potential hazard of a hazardous ingredient, adequate warning should be provided to employees and users and appropriate precautions taken including the practice of good industrial hygiene.

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS Sheet for health and safety information.


Hazard Code Key:

0 = Insignificant
1 = Slight
2 = Moderate
3 = High
4 = Extreme.

* National Fire Protection Association. Rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

** Hazardous Materials Identification System, National Paint and Coatings Association. Rating applies to product "as packaged" (i.e., ambient temperature).

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4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 4/21/2006

Dear Jonny Salinas

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1521

Generator: Kinder Morgan

Address: 906 Clinton Dr
Galena Park, TX 77547

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Rinsing of tank previously containing aromatic concentrate product

Color: Clear **Odor:** Aromatic hydrocarbon **pH:** 5-9

Physical State:

Incompatibilities: ignition sources, oxidizers

Safety Related Data/Special Handling:

See attached MSDS

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000673


**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
 Phone: (713) 676-1460 Fax: (713) 676-1676
 http://www.cesenvironmental.com
 TCEQ Industrial Solid Waste Permit No: 30948
 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

* Company: Kinder Morgan
 Address: 906 Clinton Dr
 City, State, Zip: Galveston, TX 77547
 Contact: Lance Wiley Title: Env. Coordinator
 Phone No: 713 920-8436 Fax No: _____
 24/hr Phone: 713 724-4912
 U.S. EPA I.D. No: TXD02648523
 State I.D. 30573 SIC Code: 2446

SECTION 2: Billing Information - ☐ Same as Above

* Company: 405 Clinton Dr
 Address: Galveston, TX 77547
 City, State, Zip: Kinder Morgan
 Contact: Same Title: n
 Phone No: Same Fax No: 713-472-7660

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Hydrocarbon and water mixture
 Detailed Description of Process Generating Waste: Rivving of tank ~~containing~~ Previously
containing aromatic
concentrate product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Clear Odor: Aromatic Hydrocarbon

Specific Gravity (water=1): 2.1 Density: 82 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 5,500 gal. Trailer

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: _____

* Proper U.S. DOT Shipping Name: N/A - Recyclable

Class: 3

UN/NA: UN 1993

PG: III

RQ: Contain Benzene

Flash Point <u>2100°F</u>	pH <u>5-9</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>500-5</u> %
Oil & Grease <u>2-5</u> mg/l	TOC <u>0</u> mg/l	Zinc <u>0</u> mg/l	Copper <u>0</u> mg/l	Nickel <u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		96 - 98	%
Aromatics		2 - 5	%
rust		.001 - .005	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

See Attached MSDS

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

See Attached MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:
TCLP Volatiles:
TCLP Semi-Volatiles:
Reactivity:
Corrosivity:
Ignitability:

N/A
N/A
N/A
N/A
N/A
N/A

Reyclable

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Lance Wiley

Date: 4-21-06

Printed Name/Title: Lance Wiley

Env. Control

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Thompson

Additional Information: REC

Date: 4-21-06

Approved

Rejected

Approval Number: 1521

SECTION 10: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

12-17
25-24, 5, 18, 28, 4,

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TEXAS AROMATICS, LP
MATERIAL SAFETY DATA SHEET
AROMATIC CONCENTRATE
LAST ISSUE: APRIL 30, 2002
REVISED: JANUARY 25, 2005

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATIONDISTRIBUTOR

Texas Aromatics, LP
3555 Timmons Lane Ste# 700
Houston, Texas 77027
(713) 520-2900

FOR CHEMICAL EMERGENCY

Spill, Leak, Fire, Exposure or Accident
Call CHEMTREC-Day or Night
(800) 424-9300

DESCRIPTIVE FORMULA

Mixture, see Section 2

CHEMICAL FAMILY

Aromatic Hydrocarbons

CHEMICAL NAMES AND SYNONYMS

Raw Aromatic Concentrate; Pyrolysis Gasoline (Pygas); Debutanized Aromatic Concentrate; Dripolene; Steam Cracked Naphtha; Primary Light Oil; Aromatic Gasoline; C₅-C₈ Hydrocarbons; Crude Benzene; Hydrotreated BTX; Benzene Concentrate, Light Aromatic Concentrate, Light Aromatic Distillate

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

<u>COMPONENTS</u>	<u>WT%</u>	<u>CAS NO.</u>
C ₄ Hydrocarbons	0-7.7%	
1,3 Butadiene	(0.0-4.9%)	106-99-0
Vinyl Acetate	(0.0-1.0%)	108-05-4
C ₆ Hydrocarbons	8-60%	
CPD		542-92-7
Trans piperylene		2004-70-8
Isoprene		78-79-5
Pentene-1		109-67-1
Cyclopentene		142-29-0
MCPD/CPD CODIMER		59444-91-6
Isopentane		78-78-4
Pentane		109-66-0
Cis-pentene-2		142-29-0
2-Methyl-butene-2		513-35-9
Trans-1,3-pentadiene		2004-70-8
1,3-Cyclopentadiene		542-92-7
Cis-1,3-pentadiene		1574-41-0
2-Methyl-1-pentene		763-29-1
2-Methylpentene		107-83-5
3-Methylpentene		96-14-0

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SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS (continued)

<u>COMPONENTS</u>	<u>WT%</u>	<u>CAS NO.</u>
C ₆ - C ₈ Non-Aromatics	4-15%	
Trans Hexene 2		4050-45-7
1, 3-Cyclohexadiene		592-57-4
Cyclohexane		110-82-7
n-Hexane		110-54-3
1-Hexene		592-41-6
Benzene	12-69%	71-43-2
Toluene	2-19%	108-88-3
C ₈ -C ₉ Aromatics	3-35%	
Ethylbenzene		100-41-4
Styrene		100-42-5
Xylene	1330-20-7	
m-Xylene		108-38-3
p-Xylene		106-42-3
o-Xylene		95-47-6
N-propyl-benzene		103-65-1
Methyl-ethyl-benzenes		611-14-3
Tri-methyl-benzenes		526-73-8
1,2,4-Trimethylbenzene		95-63-6
Vinyl-toluenes		25013-15-4
C ₁₀ +		
DCPD	10-24%	77-73-6
Indene		95-13-6
CPD-MCPD Codimers		
Naphthalene		91-20-3
Biphenyl		92-52-4

SECTION 3 – HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

DANGER! TOXIC! EXTREMELY FLAMMABLE LIQUID AND VAPOR! CANCER HAZARD! Product is a pale yellow liquid with a pungent odor. Vapor is heavier than air and may spread long distances. Distant ignition and flashback are possible. Flammable liquid and vapor can accumulate static charge. Liquid can float on water and may travel to distant locations and/or spread fire. This product is considered harmful if inhalation, skin contact and if it is swallowed. This product is irritating to the eyes and skin. Excessive inhalation of this material may result in heartbeat irregularities and central nervous system effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possibly death. Ingestion may cause central nervous system effects and possible kidney and liver damage and blood disorders. Excessive inhalation of this material may cause damage to blood systems, and over time may cause kidney and liver damage, blood disorders and possibly cancer (leukemia).

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SECTION 3 – HAZARDS IDENTIFICATION (continued)

HMIS Ratings: Health:3 Fire:4 Reactivity:1

NFPA Ratings: Health:3 Fire:4 Reactivity:1

Hazard Code Key: 0 = Insignificant; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme.

- * National Fire Protection Association. Rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").
- ** Hazardous Materials Identification System, National Paint and Coatings Association. Rating applies to product "as packaged" (i.e., ambient temperature).

POTENTIAL HEALTH EFFECTS

Eyes: Causes irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.

Skin: Prolonged and/or repeated skin contact with this product may cause irritation, dermatitis, and possible chemical blistering. Product contains component(s) that may be absorbed through the skin. Prolonged contact with this product may cause allergic skin sensitization reactions.

Inhalation: This product may be harmful by Inhalation. Excessive inhalation may result in heartbeat irregularities and central nervous system effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possible death. Excessive inhalation of this material may cause damage to blood systems, and over time may cause kidney and liver damage, blood disorders and possibly cancer. Small amounts, if aspirated into the lungs, may cause mild to severe pulmonary injury.

Ingestion: This product may be harmful if swallowed. Ingestion may result in CNS effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possibly death. Small amounts, if aspirated into the lungs, may cause mild to severe pulmonary injury.

SECTION 4 – FIRST AID MEASURES**INHALATION**

Remove affected individual to fresh air while ensuring the rescuers utilize appropriate protective equipment. If breathing has ceased, administer artificial respiration. If no pulse is found administer cardiopulmonary resuscitation immediately. Obtain medical attention immediately.

EYE CONTACT

Immediately flush eyes with lukewarm water for at least 15 minutes while lifting upper and lower eyelids. Continue to flush the eyes if there is any indication of residual chemical. Seek medical attention immediately.

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SECTION 4 – FIRST AID MEASURES (continued)**SKIN CONTACT**

Remove contaminated clothing. Wash the affected area with soap and water. If irritation occurs, contact a physician. Launder contaminated clothing separately before reuse.

INGESTION

DO NOT INDUCE VOMITING! Immediately contact a physician.

NOTE TO PHYSICIAN

The decision of whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. If burn is present, treat as any thermal burn, after decontamination. Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -57°C
METHOD USED: Cleveland closed cup

FLAMMABLE LIMITS

LFL: 1.0 (estimated)
UFL: 12.0 (estimated)

EXTINGUISHING MEDIA

Dry chemical, foam, carbon dioxide, and water fog. Use of an inert foam extinguishing material may also assist in short term flammable vapor suppression. Use water to cool fire-exposed containers and to protect personnel. Water may be ineffective extinguishing medium. Monitor water run-off for flammability, and prevent from entering waterways, drains and sewers, or other confined or underground spaces.

FIRE AND EXPLOSION HAZARDS: Keep vapors away from possible ignition sources. **EXTREMELY FLAMMABLE.** Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Material is capable of accumulating a static charge which could act as an ignition source. (see NFPA pamphlet 77, "Static Electricity")

FIRE-FIGHTING EQUIPMENT: Fire-fighters should wear full-faced mask, self-contained breathing apparatus which provides eye protection. Use full turnout suit.

UNUSUAL FIRE AND EXPLOSION HAZARD DATA

Emptied container may still contain residual vapors or liquid which may ignite or explode. Do not cut, puncture or weld on or near the container.

Keep container away from heat, sparks and open flame of any sort.

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SECTION 5 – FIRE AND EXPLOSION HAZARD DATA (continued)

Benzene is prone to static electric build-up and discharge. Always bond and ground containers when transferring this chemical.

Containers may explode in a fire. Vapors may explode if ignited in an enclosed space.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**ACTION TO TAKE FOR SPILLS**

TOXIC HAZARD; FLAMMABLE LIQUID; FLAMMABLE VAPORS CAN SPREAD FROM SPILL.

Eliminate all ignition sources. Ventilate the area. Isolate the hazard area (be prepared to evacuate unnecessary people at least 2000 feet if there is danger of exploding large containers). Notify Coast Guard and pollution authorities if spill will enter navigable waters.

Do not flush chemical into public sewer or water system. Stop leaks. Contain by diking, etc. Blanket large spills with foam to minimize fire hazard and reduce vaporization. Remove as much as possible. Soak-up large spill residue and small spills with inert absorbent. Place into closed labeled containers and store in a safe outdoor location to await proper disposal. Wash the spill area with soap and water to remove final traces. Personal protective equipment (including respiratory protection and clothing) should be utilized by persons performing this work.

DISPOSAL METHOD

HAZARDOUS WASTE (EPA Hazardous Waste Number: D001(Flammable Liquid)). Dispose of in a licensed hazardous waste disposal facility in accordance with all applicable Federal, State, and Local health and pollution laws and regulations.

SECTION 7 – HANDLING AND STORAGE**HANDLING**

Keep locked up or secured. Handle in fully grounded, properly designed, and approved equipment systems that are suitable for flammable liquids. Keep away from heat and ignition sources. Dissipate static electricity during transfer by grounding and bonding containers and equipment. Do not pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Do not breathe gas, fumes, vapor, or spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested seek medical advice immediately. Avoid contact with skin and eyes. Keep away from incompatible materials such as oxidizing agents and acids. After handling, always wash hands thoroughly with soap and water.

STORAGE

Ground and bond shipping container, transfer line, and receiving container. Keep away from heat, sparks, flame, and other sources of ignition. Protect containers against static electricity, lightning, and physical damage. Keep container tightly closed and in a well-ventilated place.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

<u>MATERIAL</u>	<u>CAS#</u>	<u>ACGIH TLV-TWA</u>	<u>OSHA PEL-TWA</u>
Benzene ^{1,2,3,4,5,6} Dermal LD50 Rabbit: >9400µL/kg Oral LD50 Rat: 930 mg/kg. Inhalation LC50 Rat: 10,000 ppm/7H	71-43-2	0.5 ppm (Skin) 2.5 ppm (STEL)	1 ppm 5 ppm (STEL)
Toluene ^{1,2,3,4,5,6} Oral LD50 Rat: 636 mg/kg Inhalation LC50 Rat: 49g/m3/4H Dermal LD50 Rabbit: 14100 µL/kg	108-88-3	50 ppm (Skin)	100 ppm 150 ppm (STEL)
Styrene ^{1,2,4,5,6} Oral LD50 Rat: 2650 mg/kg Inhalation LC50 Rat: 12g/m3/4H	100-42-5	20 ppm(Skin) 40 ppm (STEL)	50 ppm 100 ppm (STEL)
Xylenes ^{1,2,4,5,6} (M-,P- & o-)	1330-20-7	100 ppm 150 ppm (STEL)	100 ppm 150 ppm (STEL)
Dicyclopentadiene ^{1,2,5,6} Oral LD50 Rat: 353 mg/kg Inhalation LC50 Mouse: 145 mg/kg/4H Dermal LD50 Rabbit: 5080 mg/kg	77-73-6	5 ppm	5 ppm
1,3-Butadiene ^{1,2,3,4,5,6}	106-99-0	2 ppm	1 ppm 5 ppm (STEL)
Ethyl Benzene ^{1,2,4,5,6}	100-41-4	100 ppm 125 ppm (STEL)	100 ppm 125 ppm (STEL)
1,3-Cyclopentadiene ^{2,4,5,6} Cyclopentadiene LD50 - N.E. Cyclopentadiene LC50 (rat, inhalation) - 39 gm/m	542-92-7	75 ppm	75 ppm
1,3-Pentadiene ^{2,4,6} Inhalation LC50 Mouse: 1100 mg/m3/2H Inhalation LC50 Rat: 140 g/m3/2H	504-60-9	N.E.	N.E.
Isoprene Inhalation LC50 Rat: 180g/m3/4H Inhalation LC50 Mouse: 139 g/m3/2H	78-79-5		

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

Component	ACGIH	IARC	OSHA	NTP
Benzene	A1-Human Carcinogen	Carcinogenic to humans	Carcinogen	Known Carcinogen
Styrene		Possibly carcinogenic		
Isoprene		Possibly carcinogenic		Reasonably Anticipated Carcinogen
Ethylbenzene	Confirmed Animal Carcinogen	Possibly carcinogenic		
1,3-Butadiene	Suspected Human Carcinogen	Probably carcinogenic To humans	Carcinogen	Known Carcinogen

Legislative Footnotes

- ¹ Ingredient listed on SARA Section 313 List of Toxic Chemicals.
- ² Ingredient listed on the Pennsylvania Hazardous Substances List.
- ³ Ingredient listed on the California listing of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity.
- ⁴ Ingredient listed on the Massachusetts Substance List.
- ⁵ Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.
- ⁶ Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Notes:

TLV-TWA - Threshold Limit Value - Time Weighted Average for concentration of the chemical substance in the ambient workplace air. (The skin notation calls attention to the skin as an additional significant route of absorption of the listed chemical.) American Conference of Governmental Industrial Hygienists (ACGIH).

OSHA PEL - OSHA Permissible Exposure Limit, 8-hour TWA. 29CFR 1910.1028, Transitional Limits column, Table Z-1-A, Table Z-2 and Table Z-3.

STEL - Short Term Exposure Limit, 15 minutes

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Take necessary precautions to avoid thermal burns. Face shield, gloves, and organic vapor respirator advised when transferring and sampling. Have properly grounded system for all transfer and storage equipment to avoid development of a static charge.

VENTILATION

Use only with adequate ventilation. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

RESPIRATORY PROTECTION

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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive-pressure self-contained self-breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. In confined or poorly ventilated areas, use an approved positive-pressure supplied-air respirator.

SKIN PROTECTION: Use protective clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. Remove contaminated clothing no later than the end of the work period and clean before reuse. Contaminated leather items, such as shoes, belts, and watchbands, should be removed and destroyed.

EYE PROTECTION: Use chemical goggles. If vapor exposure causes eye discomfort, use a full-face respirator.

Do not smoke or consume food or beverages in the work area. Wash thoroughly after handling the product.

SECTION 9 – PHYSICAL DATA (Typical data, not specifications)

PHYSICAL STATE:	Liquid
BOILING RANGE:	80.0-650°F, 26-343°C
VAPOR PRESSURE:	Reid vapor pressure 6-13 max.
VAPOR DENSITY:	(AIR=1): >1
SOLUBILITY IN WATER:	negligible
SPECIFIC GRAVITY:	0.73-0.89, 60/60F
APPEARANCE:	Clear, slightly yellow to dark amber liquid
ODOR:	pungent, aromatic, highly irritating

SECTION 10 – STABILITY AND REACTIVITY**STABILITY (Conditions to Avoid)**

Material similar to gasoline. It may be ignited under almost all temperatures. Keep away from heat, flames, and spark-producing equipment. Avoid high temperatures which may cause decomposition and large pressure increases.

INCOMPATIBILITY (Materials to Avoid)

Reacts with chlorine, ozone, perchloryl fluoride, liquid oxygen and other strong oxidizing agents such as hydrogen peroxide, permanganates and perchlorates. Depending upon the amount and specific materials involved, contact can result in intense heat, boiling, flame development, explosion or toxic gas generation. Spontaneous combustion may occur with sodium peroxide or potassium peroxide.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, and small amounts of aromatic and aliphatic hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 11 – TOXICOLOGICAL INFORMATION**SYSTEMIC AND OTHER EFFECTS**

Signs and symptoms of excessive exposure may be central nervous system effects, neurologic signs and symptoms, irritation to upper respiratory tract, and may cause hemopoietic injury (damage to blood forming organs). Contains components which may cause lung, CNS, liver and kidney effects and which have caused hearing loss in laboratory animals and/or humans. Can cause blood disorders.

CANCER INFORMATION

Contains benzene, a carcinogen listed by IARC, NTP and OSHA. Benzene has been shown to cause cancer in laboratory animals and humans. Contains styrene, listed by IARC, and 1,3-butadiene, listed by IARC and NTP, as potential carcinogens. Contains naphthalene which has caused cancer in some laboratory animals.

TERATOLOGY (Birth Defects)

Contains components which have caused toxicity to the fetus or birth defects in mice. 1, 3-butadiene was toxic to the fetus in laboratory animals at doses nontoxic to the mother.

REPRODUCTIVE EFFECTS

In animal studies, benzene, styrene and toluene have been shown to affect reproductive capacity.

MUTAGENICITY (Effects on Genetic Material)

Contains a few components which have caused some mutagenic activity in vitro (test tube) tests and in animals. Results of isoprene in vitro mutagenicity tests have been negative. Isoprene has been shown to have mutagenic activity in animals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Blood dyscrasias, dermatitis, asthma, and pulmonary disease.

HAZARDOUS INGREDIENT SPECIFIC MEDICAL DATA (if ingredient found in "pure" form):

Benzene is a severe eye and moderate skin irritant. Human systemic effects by inhalation and ingestion are: euphoria, somnolence, changes in motor activity, nausea, vomiting, reduced number of blood platelets, other unspecified blood effects, dermatitis and fever. Benzene has been shown to cause embryo/fetal toxicity and birth defects in laboratory animals, but only at doses which cause maternal toxicity. Benzene is a human carcinogen which produces myeloid leukemia and lymphomas by inhalation. It is listed as an OSHA carcinogen, an ACGIH, NTP and IARC human carcinogen.

Toluene may cause central nervous system depression and is an ocular irritant. Inhalation and subcutaneous injections in high concentrations in rats caused high-frequency hearing loss. Toluene causes CNS narcosis; mild, transient irritation of the upper respiratory tract; hilarity; nausea; nasal discharge; drowsiness; ataxia; dizziness; cerebellar ataxia; cognitive dysfunction; metallic taste; loss of appetite; weakness; and palpitations. High concentrations are associated with CNS encephalopathy, headache, depression, and lassitude. Fetotoxicity appears at

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SECTION 11 – TOXICOLOGICAL INFORMATION (continued)

levels associated with CNS narcosis and occurs perhaps only in those with chronic toluene-induced kidney failure. Toluene does not result in the severe bone marrow depression that is characteristic of occupational benzene poisoning.

Styrene may cause central nervous system depression, headaches, fatigue, nausea, and dizziness. Sensory nerve condition reductions can occur of reduced peripheral nerve conduction velocity and sensory amplitude that slowed reaction time and changes in worker visual ability. Severe intoxication may cause encephalopathy and hepatitis.

Xylenes are eye and skin irritants. Chronic xylene exposure may cause CNS damage. Human systemic effects by inhalation are: olfactory changes, conjunctiva irritation and pulmonary changes. Xylene vapor is an irritant of the eyes, mucous membranes, and skin. It has caused narcosis at high concentrations. Liquid xylene is a skin irritant and causes erythema, dryness, and defatting. At high doses xylene has been reported to cause unconsciousness, transient hepatic and renal toxicity. Xylene has been shown to cause embryo/fetal toxicity and birth defects in laboratory animals, but only at doses which cause maternal toxicity.

Ethyl benzene is an irritant of the skin and mucous membranes and appears systemically to have acute and possibly chronic effects on the central nervous system (CNS).

Butadiene is irritating to the eyes and mucous membranes. Skin contact can result in burns or frost bite (due to rapid vaporization). Human systemic effects by inhalation are: cough, hallucinations, distorted perceptions, changes in the visual field and other unspecified eye effects. Butadiene is listed as an ACGIH suspected human carcinogen, an NTP anticipated human carcinogen and an IARC possible carcinogen.

Cyclopentadiene May be irritating to the eyes and skin. It may also cause contact dermatitis and sensitization. Repeated exposure has produced CNS depression with terminal seizures, mild liver and kidney injury in experimental animals. Headache, abdominal pain, jaundice, and anemia may occur following chronic exposure.

Dicyclopentadiene Exposure may occur by inhalation with little absorption through the skin. Irritating to the eye and skin. Testing indicates material is not a skin sensitizer. It is toxic to the CNS. Product is highly toxic through ingestion, with possible effects including kidney and liver damage.

Isoprene Repeated exposure to isoprene may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.

SECTION 12 – ECOLOGICAL INFORMATIONGeneral Material Information

Pygas has been evaluated under ACC's HPV Group 5 mixtures (High Benzene Naphthas). Major components are highly volatile and will partition rapidly to air. Product is largely insoluble in water. It is considered to have moderate toxicity to aquatic algae, freshwater fish and invertebrates, based on toxic disruption of biological membrane function. Product has likely low to moderate absorption into soil and sediment.

TEXAS AROMATICS, LP

MSDS 101-1

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SECTION 12 - ECOLOGICAL INFORMATION (continued)Mobility

No information available for the product as a tested mixture.

Benzene migrates in soils and in ground waters. Its airborne levels can be reduced by rain or water spray. Dicyclopentadiene is less mobile and may be less accessible to ground water than benzene and toluene components. DCPD has high affinity for soil adsorption. Xylene will be scavenged by rain. From the surface of water, half of the amount of xylene will be volatilized within 2 to 5.5 days.

Persistence/Degradability

Based on major components, these mixtures are expected to have significant biodegradation over a broad range of environmental conditions (natural attenuation). Benzene in air will photo-degrade with a calculated half-life of 13.4 days. This is accelerated in polluted atmospheres containing nitrogen or sulfur oxides. By products include phenol, nitrophenols, nitrobenzene, formic acid and peroxyacetyl nitrate. Benzene will biodegrade in soils and ground waters (half-life 16-28 days) under aerobic conditions. Limited degradation found under anaerobic conditions. Sewage treatment plants have been shown to remove 44-100%. DCPD in air will photo-degrade, with estimated half-life of 1-3 hours. DCPD in surface waters will volatilize in 3-4 hours, with some possible adsorption into suspended matter or sediment. This will degrade depending on temperature and water conditions in an estimated 80 days. DCPD biodegrades very slowly in ground waters or soils. Estimated half-life in soils is 4-7 years. When released into the air, xylene may degrade in air by reaction with photochemically produced hydroxyl radicals.

Bioaccumulation/Accumulation

No information available for the product as a tested mixture. Based on major components significant bioaccumulation is not expected to occur.

SECTION 13 - DISPOSAL INFORMATIONWaste Disposal Methods

Dispose of only in accordance with local, state, and federal regulations. Land disposal of this product is restricted. Do not contaminate any lakes, streams, ponds, groundwater, or soil. This product has the RCRA classification of benzene toxicity and ignitability. If discarded in its present form, it would have the hazardous waste numbers D018 and D001 respectively. Under RCRA, it is the responsibility of the user of the product to determine at time of disposal, whether the product meets criteria for hazardous waste since the products uses, transformations, mixtures, processes, etc. may change the classification.

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

TEXAS AROMATICS, LP

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SECTION 14 – TRANSPORT INFORMATION

DOT basic descriptions can vary based on package quantity and may not coincide with international description requirements. Consult the Hazardous Materials Regulations in 49CFR and the appropriate Dangerous Goods Regulations to confirm description applicability to specific shipments.

Dot (USA)

Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, II

Label required: Flammable liquid

Sea – IMDG

Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, II

Label required: Flammable liquid

Air – ICAO

Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, II

Label required: Flammable liquid

TDG (Canada)

Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, II

Label required: Flammable liquid

SECTION 15 – REGULATORY INFORMATION: (Not meant to be all-inclusive—selected regulations represented.)**NOTICE:**

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS Sheet for health and safety information.

U.S. REGULATIONS**SARA 302/304 Extremely Hazardous Substances**

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Vinyl acetate	108-05-4	<0.5%

TEXAS AROMATICS, LP

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PAGE 13 OF 14

SECTION 15 - REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.) (continued)**SARA 313 INFORMATION: Toxic Chemical**

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
BENZENE	000071-43-2	12 - 69 %
ETHYLBENZENE	000100-41-4	0.5 - 3.5 %
STYRENE	000100-42-5	1.0 - 6.0 %
1,3-BUTADIENE	000106-99-0	0.0 - 4.9 %
TOLUENE	000108-88-3	2 - 19 %
XYLENE (MIXED ISOMERS)	001330-20-7	0.5 - 2.6 %
DICYCLOPENTADIENE	000077-73-6	10 - 24 %
NAPHTHALENE	000106-99-0	0 - 1.3 %

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate (acute) health hazard
Delayed (chronic) health hazard
Fire hazard

OTHER NOTES: CERCLA HAZARDOUS SUBSTANCE:

<u>Component</u>	<u>CERCLA RQ</u>
Benzene	10 lbs
Xylene	100 lbs
Toluene	1000 lbs
Hexane	5000 lbs
Styrene	1000 lbs
1,3-Pentadiene	100 lbs
Isoprene	100 lbs
Ethylbenzene	1000 lbs
1,3-Butadiene	10 lbs
Naphthalene	100 lbs

INTERNATIONAL REGULATIONS**WHMIS (Canada) Classification**

Class B, Division 2: Flammable liquid
Class D, Division 2, Subdivision B: Toxic material
Class D, Division 2, Subdivision A: Very toxic material

TEXAS AROMATICS, LP

MSDS 101-1

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SECTION 16 – OTHER INFORMATION

NOTICE

The data and recommendations presented herein are based upon data which is considered to be accurate. However, Texas Aromatics, LP makes no guarantee or warranty, either expressed or implied, of the accuracy or completeness of these data recommendations. Where the information provided herein discloses a potential hazard or hazardous ingredient, adequate warning should be provided to employees and users and appropriate precautions taken including the practice of good industrial hygiene.

Houston Marine Services
Profile # 1531

L. Am



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 4/26/2006

Dear John Sminchak

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1531

Generator: Houston Marine Services

Address: 850 S. Lynchburg Rd
Baytown, TX 77520

Waste Information

Name of Waste: DAF Reclaim

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Sludge removed from dissolved air flotation of oil and grease from incoming waste stream

Color: Black

Odor: Petroleum type

pH: 7-8

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Gloves and Goggles

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.


**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Houston Marine Service, Inc
Address: 850 S. Lynchburg RD
City, State, Zip: Baytown, Texas 77520
Contact: John Sminchak Title: Environmental Operations Manager
Phone No: 281-424-2525 Fax No: 281-838-1318
24/hr Phone: 281-424-2525
U.S. EPA I.D. No: TXR000024570
State I.D. 38185 SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: DAE Residm
Detailed Description of Process Generating Waste: Sludge Recovered From dissolved Air Flotation of oil & grease From incoming waste stream.

Physical State: ☐ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Black

Odor: Petroleum Type

Specific Gravity (water=1): 1.1

Density: 8-9 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 5,000 gallon

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: _____

Proper U.S. DOT Shipping Name: Recyclable Hydrocarbon & Water Mixture

Class: NA

UN/NA: NA

PG: NA

RQ: NA

Flash Point <u>> 140</u>	pH <u>7-8</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>15</u> %
Oil & Grease <u>20</u> mg/l	TOC <u>0</u> mg/l	Zinc <u>0</u> mg/l	Copper <u>0</u> mg/l	Nickel <u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		70 - 80	%
Solids (Dirt & sand)		10 - 15	%
Oil & Grease (from bilges off Barges and ships)		10 - 20	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Gloves & goggles

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

✓
✓
✓

_____ } Recyclable

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

John Sminchak

Date: 4/13/06

Printed Name/Title:

John Sminchak HMSET Operations Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Rebecca Alarid

Additional Information:

DSL

Date:

4-25-06

Approved

Rejected

DSL

Approval Number:

1531



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Houston Marine Service, Inc
Address: 850 S. Lynchburg RD
City, State, Zip: Baytown, Texas 77520
Contact: John Sminchak Title: Environmental Operations Manager
Phone No: 281-424-2525 Fax No: 281-838-1318
24/hr Phone: 281-424-2525
U.S. EPA I.D. No: TXR000024570
State I.D. 38185 SIC Code:

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: DAE Reslain
Detailed Description of Process Generating Waste: Sludge Recovered From dissolved Air Flotation of oil & grease From incoming waste stream.

Physical State: ☐ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Black Odor: Petroleum Type

Specific Gravity (water=1): <1 Density: 8-9 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 5,000 gallon

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: 00144891

Proper U.S. DOT Shipping Name: _____

Class: _____ UN/NA: _____ PG: _____ RQ: _____

Flash Point <u>> 140</u>	pH <u>7-8</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>15</u> %
Oil & Grease <u>20</u> mg/l	TOC <u>0</u> mg/l	Zinc <u>0</u> mg/l	Copper <u>0</u> mg/l	Nickel <u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		70 - 80	%
Solids		10 - 15	%
Oil & Grease		10 - 20	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Gloves & Goggles

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒
TCLP Volatiles: ☒
TCLP Semi-Volatiles: ☒
Reactivity: ☐
Corrosivity: ☐
Ignitability: ☐

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: John V. Smirchak Date: 4/13/06

Printed Name/Title: John Smirchak HMSET Operations Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: _____ Approved _____ Rejected _____

Approval Number: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☒ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☒ Used petroleum products
- ☐ Oil spill clean-up
- ☒ Bilge water
- ☒ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



HOUSTON LABORATORIES
8820 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis

Number: 1030-2007090450-001A

October 16, 2007

Lisa Gilbreath
Houston Marine Services, Inc
850 S. Lynchburg Road
Baytown TX 77520

Sample ID: Daf Reclaim/ Oil Mixture
Project Name :
Project Number :
Project Location:
Sample Point:

Sampled By:
Sample Of: Oily Sludge
Sample Date: 09/25/2007 12:30
Sample Condition:
PO / Ref. No:

ANALYTICAL DATA

Test	Method	Result	Unit	Detection Limit	Lab Tech.	Date Analyzed
Total Organic Halogens	EPA 9020B	35.1	ppm	5ppm	OS	10-1-07

Comments:

Sample On: 09/25/2007 12:30

Hydrocarbon Laboratory Manager

EPAHO112000700

DEC-5-2006

6110364 - 6110365

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	STD %REC	ORIG mg/L	DUP mg/L	RPD
Total Organic Halogens	< 0.010	93.7	< 0.010	< 0.010	0.00

ANALYTE	MB mg/L	MS %REC	MSD %REC	MS RPD	CCV %REC	ORIG	DUP	DUP RPD
COD	< 3	98	94	4.17	96	37	36	2.74

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: 

Holland D. Gilmore / Laboratory Director

December 5, 2006

Mercury Environmental Services, Inc.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

Houston Marine Services Inc
850 South Lynchburg Rd.
Baytown, TX 77520

Phone: (281) 838-1067
Fax: (281) 838-1318

Attn: **Ralph Jenkins**

- CERTIFICATE OF RESULTS -

MES Lab#: 6110365

Client Sample ID: Water From Sludge #2

Extended ID: Incoming Waste Stream


Sample Collect Date: 11/15/2006 @ 10:00:00 AM

Sample Receipt Date: 11/15/2006 @ 11:00:00 AM

Test Group / Method

Total Organic Halogens	MDL	Result	Units	Analyst: HDG
Method: SW-846 9020				Date / Time
Total Organic Halogens	0.100	< 0.100	mg/L	11/30/2006 / 7:48 PM
COD (Colorimetry)	MDL	Result	Units	Analyst: ASB
Method: Hach 8000				Date / Time
Chemical Oxygen Demand	3	124	mg/L	11/16/2006 / 10:38 AM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit


Holland D. Gilmore, Laboratory Director

Tuesday, December 05, 2006

Date

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

Houston Marine Services Inc
850 South Lynchburg Rd.
Baytown, TX 77520

Phone: (281) 838-1067
Fax: (281) 838-1318

Attn: Ralph Jenkins

- CERTIFICATE OF RESULTS -

MES Lab#: 6110364
Client Sample ID: Water / Sludge #1
Extended ID: Incoming Waste Stream
Sample Collect Date: 11/15/2006 @ 10:00:00 AM
Sample Receipt Date: 11/15/2006 @ 11:00:00 AM

Test Group / Method

Total Organic Halogens Method: SW-846 9020	MDL	Result	Units	Analyst: HDG Date / Time
Total Organic Halogens	0.010	< 0.010	mg/L	11/30/2006 / 7:48 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit



Holland D. Gilmore, Laboratory Director

Tuesday, December 05, 2006

Date



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1531

Customer: Houston Marine Services /TransMontinge

Waste Generator: Houston Marine Services /TransMontinge

Waste Stream Name: DAF Reclaim

Expiration Date: 4/25/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

STEVE SAMS

Customer Name

Signature

Phoenix Pollution Control / AUTH. BROKER
Company / Title

06/05/09
Date

Recyclable
☒ Analysis is NOT required for recertification.

The following analysis is required for recertification.
Please submit results of the following tests.

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Vetco Gray (Jack ~~1539~~ 1539)
Profile # 1539

L. Ann



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 4/30/2006

Dear Tim Grebe

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1539

Generator: Vetco Gray (Jackrabbit Road)
Address: 8909 Jackrabbit Road
Houston, TX 77095

Waste Information

Name of Waste: Recyclable Unused Oils

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Unused Oil

Color: Varies

Odor: Oily

pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000708



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Vetco Gray Controls, Inc.
Address: 8909 Jackrabbit Rd
City, State, Zip: Houston, TX 77095
Contact: Tim Grebe Title: _____
Phone No: 281-855-3200 Fax No: 281-855-0973
24/hr Phone: 281-656-3154
U.S. EPA I.D. No: Na
State I.D. Na SIC Code: N/A

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable unused oils
Detailed Description of Process Generating Waste: Unused Oil

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Varies Odor: oily

Specific Gravity (water=1): 9-1 Density: 7-9 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 g

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1-40 Other: _____

Texas State Waste Code No: Recycled

Proper U.S. DOT Shipping Name: Recyclable Unused Oil

Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point >200	pH <u>Na</u>	Reactive Sulfides <u>0mg/l</u>	Reactive Cyanides <u>0mg/l</u>	Solids <u>0%</u>
Oil&Grease <u>Na</u> mg/l	TOC <u>Na</u> mg/l	Zinc <u>Na</u> mg/l	Copper <u>Na</u> mg/l	Nickel <u>Na</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
EOS Insulating Oil	0-100	%
Castrol-10W-40	0-100	%
Castrol SAE30	0-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

~~None~~ Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: No Signature Required Date: 04/28/06

Printed Name/Title: Tim Grebe/HSE Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Pattabhatla

Additional Information: _____

Date: 5-1-06 Approved Rejected

Approval Number: 1539

REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☒ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



MATERIAL SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: Unused Insulating Oil Code 2512-UK
BS148: 1998

Application: Transformer Oil

Company: Electrical Oil Services Limited

Address: PO BOX 79, Bridges Road, Stanlow Works,
Ellesmere Port, Cheshire CH65 4WD

Telephone : 0845 602 1003 Fax: 0845 602 1004

2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Highly refined mineral oil

None of the ingredients of this product are classified as hazardous.

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances or ELINCS (European List of Notified Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

This product is NOT classified as hazardous.

4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes.

Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.

Inhalation: Remove from exposure.

Ingestion: Obtain medical attention. DO NOT induce vomiting

5: FIRE FIGHTING MEASURES

Suitable Extinguishing media: Carbon dioxide, powder, foam or water fog - do not use water jets.

Special Exposure Hazards: None. -

Special Protective Equipment: None.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Spilt product presents a significant slip hazard.

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Soak up with inert absorbent or contain and remove by best available means.

7: HANDLING AND STORAGE

Handling: To avoid the possibility of skin disorders, repeated or prolonged contact with products of this type must be avoided. It is essential to maintain a high standard of personal hygiene.

Storage: No special precautions.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure limits:-

Substance	8 Hr.TWA	STEL	Source/Other Information
Mineral oil (see Oil mist, mineral)	5mg/m ³	10 mg/m ³	EH40 (OES)

Engineering Control Measures: Mechanical methods to minimise exposure must take precedence over personal protective measures.

Personal protective Equipment: Avoid skin and eye contact. Wear impervious gloves (e.g. of PVC), in case of repeated or prolonged contact.

Change contaminated clothing immediately and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Clear
Odour:	Mild
Boiling Point/Range (°C):	Above 250
Pour Point (°C):	Below minus 30
Kinematic Viscosity @ 40 °C (cSt):	16
Flash Point (closed °C):	Above 130
Autoignition (°C)	Above 250
Explosive Properties (%):	Explosive limit range (%): Approximately 0.6 - 10
Vapour Pressure (kPa at 20°C)	Below 0.1
Relative Density (at 20°C)	Below 1.0
Water Solubility:	Insoluble
Fat Solubility:	Not determined

10: STABILITY AND REACTIVITY

Stability:	Stable, will not polymerise
Conditions to Avoid:	Temperatures (°C) above 90
Materials to Avoid:	Strong oxidising agents
Hazardous Decomposition Products:	Irritant fumes

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components. Expected oral LD₅₀ rat >2g/kg.

Health Effects:

On Eyes:	May cause transient irritation
On Skin:	Unlikely to cause harm on brief or occasional contact
By Inhalation:	Mist and vapours may cause irritation to nose and respiratory tract
By Ingestion:	May cause nausea, vomiting and diarrhoea
Chronic:	Repeated and prolonged skin contact may lead to skin disorders
Other:	None known

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility:	Non-volatile. Mobile liquid. Insoluble in water.
Persistence and Degradability:	Inherently biodegradable.
Bio-accumulative Potential:	Bio-accumulation is unlikely to be significant because of the low solubility of this product.
Water:	Not expected to be toxic to aquatic organisms.
Ecotoxicity:	Not expected to be inhibitory to sewage bacteria.

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused product:	May be sent for reclamation.
Used/Contaminated Product:	Dispose of through an authorised waste contractor to a licensed site. May be incinerated.
Packaging:	Must be disposed of through an authorised waste contractor. May be steam cleaned and recycled.

14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

15: REGULATORY INFORMATION

This product is NOT classified as dangerous for supply in the UK.

Classified according to European directives on classification of hazardous substances and preparations. Not classified as hazardous. No statutory label required.

Hazard Label Data:

S-phrase **S60:** This material and/or its container must be disposed of as a hazardous waste.

EC Directives:	Waste Oil Directive, 87/101/EEC Framework Waste directive, 91/156/EEC
Statutory Instruments:	Health & Safety at Work, etc. Act 1974 Consumer Protection Act 1987 Environmental protection Act 1990
Codes of Practice:	Waste management. The Duty of Care
Guidance Notes:	Occupational exposure limits (EH40) Carcinogenicity of mineral oils (EH58) Skin cancer caused by oil [MS(B)5]. Save your skin! - Occupational Contact Dermatitis [MS9B)6]. Dermatitis - cautionary notice [SHW 367]. Effects of mineral oil on the skin [SHW 397].

The above publications are available from HMSO or HSE.

16: OTHER INFORMATION

Since the previous issue the following sections have been amended: 1,9, 10, 12, 15 & 16.

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

Further copies of this Safety Data Sheet may be obtained from Electrical Oil Services Limited.



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1539**

Customer: **Drilling Controls**

Waste Generator: **Drilling Controls**

Waste Stream Name: **Recyclable Unused Oils**

Expiration Date: **5/1/2008**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

Customer Name

Signature

Company / Title

Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

✓

1511
Koch Knight LLC
Profile # 1549

ENVIRON EXPRESS LABORATORIES
401 N. 11TH STREET
LA PORTE, TEXAS 77571
281/471-0951
281/471-5821 FAX

FACSIMILE COVER

COMPANY: CES

PLEASE DIRECT FOLLOWING PAGE(S) TO: Clark Hickman

PAGES INCLUDING COVER LETTER: 3

FAX: 281.488.3359

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this message in error, please notify us immediately by telephone and return the original message to us at the above address via postal service, at our expense.

**ENVIRON EXPRESS LABORATORIES, INC.**

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO:**60581.01****1 of 1**

Customer: CES Env. Svcs.
Project ID: T-224
Project Loc:
Charge/P.O.:

Sample ID: T-224
Methanol
Matrix: Liquid
Type:

Environ ID: 60581.01
Sampled: 05-17-06
Received: 05-25-06
Reported: 05-30-06

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
FLASH								
Ignitability	110	°F	> 140	-	SW846.1010	JK	05-30-06	13:30
MISCELLANEOUS								
Ash	256	mg/kg	-	1	ASTM D482	JT	05-30-06	14:00

Definitions: REG - Regulatory Limit (User Should Confirm Limits) su - Standard Units
MQL - Method Quantitation Limit
PPM - Parts Per Million
mg/kg - PPM by Weight, mg/L - PPM by Volume

John Keller

John Keller, Ph.D
Laboratory Director



CHAIN OF CUSTODY

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

[illegible]

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 5/4/2006

Dear Robert Strong

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1549

Generator: Koch Knight LLC
Address: 6603 West Bay Road
Baytown, TX 77520

Waste Information

Name of Waste: Non-RCRA Wastewater

TCEQ Waste Code #: CESQ1192

Container Type:

Detailed Description of Process Generating Waste:

Water used to cool machinery that cuts ceramic bricks (see MSDS sheets)

Color: Black

Odor: None

pH: 4-9

Physical State:

Incompatibilities: None

Safety Related Data/Special Handling:

Level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000722



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Koch Knight LLC
Address: 6603 West Bay Rd
City, State, Zip: Baytown, TX 77520
Contact: Mckenzie Title: Management
Phone No: 281-573-4880 Fax No: 281-573-4937
24/hr Phone: 281-573-4937
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: N/A

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Non-RCRA Waste Water

Detailed Description of Process Generating Waste: Water used to cool machinery that cuts ceramic bricks (See MSDS Sheets

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Black

Odor: None

Specific Gravity (water=1): 1

Density: 8.3 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 1-3000 _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 7 totes Other: _____

Texas State Waste Code No: CESQ1192

Proper U.S. DOT Shipping Name: Non-RCRA, Non DOT Regulated Waste Water

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH 4-9	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 1-3%
Oil&Grease <100mg/l	TOC NAmg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		97-99.5	%
Brick Dust		.5-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS Sheets

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: McKully Smith, Jr. Date: 05-03-06

Printed Name/Title: Safety Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Taylor

Additional Information: _____

Date: 5-3-06 Approved Rejected

Approval Number: 1549

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☒ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☒ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



KOCH KNIGHT LLC

MATERIAL SAFETY DATA SHEET**1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

PRODUCT NAME **CERAMIC PRODUCTS**

TRADE NAME(S) **KNIGHTWARE® INTERNALS,
KNIGHTWARE® LESSING RINGS,
KNIGHTWARE® BRICK,
KNIGHTWARE® CROSS
PARTITION RINGS,
KNIGHTWARE® NEUTRALIZING
SUMPS, CERAMIC BARS,
CERAMIC RASCHIG RINGS,
FLEXISADDLE™ TOWER
PACKING, FLEXERAMIC®
CERAMIC STRUCTURED
PACKING**



CAS NUMBER 14808-60-7

MSDS NUMBER 8083

PRODUCT CODE ND

PRODUCT USE CERAMIC PRODUCTS

MANUFACTURER /
SUPPLIER Koch Knight, LLC
P.O. Box 30070
5385 Orchardview Drive, S.E.
East Canton, OH
44730 USA

TELEPHONE NUMBERS - 24 HOUR ASSISTANCE

Koch Glitsch: 330-488-1651
Canutec: 613-996-6666
Chemtec: 800-424-9300

TELEPHONE NUMBERS - GENERAL ASSISTANCE

8-5 (M-F, CST) Product Assistance 330-488-1651
8-5 (M-F, CST) MSDS Assistance 330-488-1651

2 COMPOSITION / INFORMATION ON INGREDIENTS

ND = No Data NA = Not Applicable

Printed On 1/7/2002

1 / 7

Material Id 8083

Trade Name CERAMIC PRODUCTS

EPAHQ112000727

Ingredient Name	CAS Number	Concentration*	Exposure Limits / Health Hazards
SILICA, CRYSTALLINE - QUARTZ	14808-60-7	15 - 40 %	0.05 mg/m3 8-Hour TWA (ACGIH) Total Particulate Dust: 30 mg/m3 divided by % SiO2 + 2 (OSHA) Respirable Particulate: 10 mg/m3 divided by % SiO2 + 2 (OSHA)

*Values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time.

UNDER NORMAL USE, CERAMIC PRODUCTS IN SOLID FORM DO NOT PRESENT A HEALTH HAZARD.
Cutting brick or placing packing may release small quantities of the particles mentioned above.

WHMIS Classification: D2A

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

HEALTH HAZARDS

MAY BE IRRITATING TO THE SKIN AND RESPIRATORY TRACT

CANCER HAZARD

SEE "TOXICOLOGICAL INFORMATION" (SECTION 11) FOR MORE INFORMATION

FLAMMABILITY HAZARDS

NON-COMBUSTIBLE

REACTIVITY HAZARDS

STABLE

POTENTIAL HEALTH EFFECTS, SKIN

Contact may cause reddening, itching and inflammation.

POTENTIAL HEALTH EFFECTS, EYE

Prolonged or repeated exposure may cause irritation, pain, conjunctivitis and possible corneal damage.

POTENTIAL HEALTH EFFECTS, INHALATION

Dusts may cause irritation to the nose, throat and lungs by mechanical abrasion. Symptoms may include sore throat, coughing, labored breathing, sneezing and burning sensation, depending on the concentration and duration of exposure.

Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information" (Section 11).

Other specific symptoms of exposure are listed under "Toxicological Information" (Section 11).

POTENTIAL HEALTH EFFECTS, INGESTION

Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information" (Section 11).

Other specific symptoms of exposure are listed under "Toxicological Information" (Section 11).

4 FIRST AID MEASURES

SKIN

Immediately flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Place contaminated clothing in closed container for storage until laundered or discarded. If clothing is to be laundered, inform person performing operation of contaminant's hazardous properties. Discard contaminated leather goods.

EYE

If eyes become irritated from contact with dust, flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

INHALATION

Remove to fresh air. If not breathing, institute rescue breathing. If breathing is difficult, ensure airway is clear and give oxygen.

Get medical attention.

INGESTION

Get medical attention.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Material itself will not burn.

BASIC FIRE FIGHTING PROCEDURES

Evacuate area and fight fire from a safe distance. Use extinguishing agent suitable for type of surrounding fire.

Use water spray to cool adjacent structures and to protect personnel.

Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

UNUSUAL FIRE & EXPLOSION HAZARDS

None known.

Flash Point	ND
Autoignition Temperature	ND
Flammability Limits in Air, Lower, % by Volume	ND
Flammability Limits in Air, Upper, % by Volume	ND

6 ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind. (See Exposure Controls/Personal Protection in Section 8.)

ENVIRONMENTAL PRECAUTIONS

If product is released to the environment, take immediate steps to stop and contain release. Caution should be exercised regarding personnel safety and exposure to the released product. Notify local, provincial and/or federal authorities, if required.

SPILL OR LEAK PROCEDURE

Shovel into a container for later disposal. Avoid cleanup procedures that may result in water pollution.

Do not touch or walk through spilled material.

Avoid excessive generation of dust. If dust is generated, appropriate respiratory, eye and skin protection should be used to protect personnel during clean-up.

See Exposure Controls/Personal Protection (Section 8).

7 HANDLING & STORAGE**HANDLING**

Do not cut, grind, drill, weld or reuse containers unless adequate precautions are taken against these hazards.

Minimize dust generation during handling and contact. Avoid inhaling dust and contact with skin and eyes.

Do not eat, drink or smoke in areas of use or storage.

STORAGE

Store outdoors with proper provisions for containment or in ventilated indoor areas equipped to confine dusts.

Empty containers may contain product residue. Do not reuse without adequate precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION**ENGINEERING CONTROLS**

General or local exhaust ventilation and other forms of engineering controls are the preferred means for controlling exposures.

EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear chemical safety goggles and face shield. Have eye washing facilities readily available where eye contact can occur.

SKIN PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Avoid skin contact with this material.

If skin contact is anticipated, protective clothing, including impervious gloves, should be worn.

Use good personal hygiene.

RESPIRATORY PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

A NIOSH/MSHA approved air purifying respirator with a dust/mists cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

9 PHYSICAL & CHEMICAL PROPERTIES**ODOR AND APPEARANCE**

ODORLESS, WHITE POWDER OR FINE CRYSTALS

Boiling Point	4046 °F (2230 °C)
Specific Gravity	2.7
Melting Point	> 3110 °F (>1710 °C)
Percent Volatile	ND
Vapor Pressure	NA
Vapor Density	NA
Bulk Density	ND
Solubility in Water	INSOLUBLE
Octanol/Water Partn	NA
Volatile Organic	ND
Pour Point	NA
pH Value	ND
Freezing Point	ND
Viscosity	ND
Evaporation Rate	ND
Molecular Formula	NA
Molecular Weight	ND
Chemical Family	QUARTZ
Odor Threshold	ODORLESS

10 STABILITY & REACTIVITY

STABILITY/INCOMPATIBILITY

Incompatible with hydrofluoric acid, fluorine, chlorine trifluoride or oxygen difluoride.

Stable under normal conditions of use.

See precautions under Handling & Storage (Section 7).

HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS

May form corrosive and toxic silicon tetrafluoride gas, if dissolved in hydrofluoric acid.

11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE

Inhalation, ingestion, skin and eye contact.

LD50

ND

TOXICOLOGICAL DATA

Acute or chronic overexposure to this material or its components may cause systemic toxicity, including adverse effects to the following: respiratory system.

Exposure to components of this material may cause the following specific symptoms, depending on the concentration and duration of exposure: pneumoconiosis, asthma and massive pulmonary fibrosis.

CARCINOGENICITY

This product contains crystalline silica. Silica causes silicosis, a form of disabling, progressive, and sometimes fatal pulmonary fibrosis characterized by the presence of typical lung nodules. Crystalline silica has been determined by IARC to be carcinogenic to humans (Group 1). Case reports indicate that crystalline silica, or the disease silicosis, is associated with an increased incidence of scleroderma, an immune disorder. Individuals with silicosis are also predisposed to develop tuberculosis.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

EPAHO112000731

TERATOGENICITY, MUTAGENICITY, OTHER REPRODUCTIVE EFFECTS

Please see Toxicological Data.

PRE-EXISTING CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing medical conditions which may be aggravated by exposure include disorders of the respiratory system.

12 ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION**

ND

13 DISPOSAL CONSIDERATIONS**WASTE DISPOSAL**

This product, as supplied, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste subject to RCRA.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state and local regulations.

In Canada, wastes should be disposed of according to federal, state, provincial and local regulations.

14 TRANSPORT INFORMATION**BILL OF LADING - BULK (U. S. DOT)**

Non-Regulated

BILL OF LADING - NON-BULK (U. S. DOT)

Non-Regulated

The above description may not cover shipping in all cases, please consult 49 CFR 172.101 for specific shipping information.

15 REGULATORY INFORMATION**FEDERAL REGULATIONS**

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

This product, as supplied, contains no hazardous substances regulated under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302), or any extremely hazardous substances regulated under the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355), and thus a release of this product as supplied has no reporting requirements under these regulations. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Failure to report may result in substantial civil and criminal penalties.

This product does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the annual toxic chemical release reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313 (40 CFR 372).

There may be specific regulations at the local, regional or state/provincial level that pertain to this product.

STATE REGULATIONS

WARNING: This product contains a chemical known to the State of California to cause cancer.

INTERNATIONAL REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

WHMIS Classification: D2A.

All known major components of this product are listed on the Canadian DSL.

SARA TITLE III RATINGS

Immediate Hazard:	-	Delayed Hazard:	X	Fire Hazard:	-	Pressure Hazard:	-
Reactivity Hazard:	-						

NFPA RATINGS

Health	1	Flammability	0	Reactivity	0	Special Hazards	-
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HMIS RATINGS

Health	1*	Flammability	0	Reactivity	0
--------	----	--------------	---	------------	---

WHMIS RATINGS

Compressed Gas		Flammable/Combustible		Oxidizer		Acutely Toxic	
Other Toxic Effects	X	Bio Hazardous		Corrosive		Dangerously Reactive	

16 OTHER INFORMATION**DISCLAIMER**

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Current Revision Date 07-Jan-2002

Replaces Sheet Dated 31-Dec-2001

Completed By Safety & Emergency Response, Koch Chemical Technology Group, LLC



Material Safety Data Sheet

01	PRODUCT AND COMPANY IDENTIFICATION																				
PRODUCT NAME Product Type	CARBON BLOCK RANGE--DO NOT USE--NOW IN NOTES TS Fired Carbon Shaped Refractory--DO NOT USE																				
Application	Aluminium and ferrous industries.																				
Manufacturer Address	VESUVIUS-PREMIER REF. AUSTERFIELD BRICKWORKS BAWTRY NR DONCASTER SOUTH Y ORKSHIRE TELEPHONE 01302 718100 TELEFAX 01302 718111																				
Enquiry Contact	Technical Centre Help Desk 01909 471471																				
Emergency Contact	HEALTH AND SAFETY ADVISOR TELEPHONE 01246 571700 TELEFAX 01246 571971																				
02	COMPOSITION/INFORMATION ON INGREDIENTS																				
COMPONENTS	A hydraulically pressed, heat treated mixture of carbon, silicon, alumina, and silicon carbide. <table border="1"><thead><tr><th>SUBSTANCE</th><th>% RANGE</th><th>IDENT NO.</th><th>U/S PHRASE</th></tr></thead><tbody><tr><td>Alumina</td><td>0 - 6</td><td>CAS 1344-28-1</td><td></td></tr><tr><td>Silicon</td><td>0 - 6</td><td>CAS 7440-21-3</td><td></td></tr><tr><td>Silicon Carbide</td><td>0 - 6</td><td>CAS 409-21-2</td><td></td></tr><tr><td>Carbon</td><td>70 - 90</td><td>CAS 7440-44-0</td><td></td></tr></tbody></table>	SUBSTANCE	% RANGE	IDENT NO.	U/S PHRASE	Alumina	0 - 6	CAS 1344-28-1		Silicon	0 - 6	CAS 7440-21-3		Silicon Carbide	0 - 6	CAS 409-21-2		Carbon	70 - 90	CAS 7440-44-0	
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Silicon	0 - 6	CAS 7440-21-3																			
Silicon Carbide	0 - 6	CAS 409-21-2																			
Carbon	70 - 90	CAS 7440-44-0																			
03	HAZARDS IDENTIFICATION																				
Dust Health Effect	(CARBONBLOCK) - Any dust produced from cutting, grinding, breaking etc. Will be non-siliceous carbon particulates. Over exposure to this dust may cause irritation to the eyes and upper respiratory tract.																				
04	FIRST AID MEASURES																				
Skin Contact Eye Contact Inhalation Ingestion	DUST - Wash off with warm soapy water. DUST - Flush with suitable eye wash - Seek medical advice. DUST - Remove to fresh air. DUST - Seek medical advice.																				
05	FIRE FIGHTING MEASURES																				
Extinguisher type Special Procedures	General purpose for packaging material/pallets. Wear breathing apparatus to protect against the risk of fire generated fume emissions.																				
06	ACCIDENTAL RELEASE MEASURES																				
Spillage	Product may be reused subject to not being damaged.																				
07	HANDLING AND STORAGE																				
Handling	Care should be taken because of the smooth slippery nature of product																				



Material Safety Data Sheet

07	HANDLING AND STORAGE												
Storage	surfaces. Store in a dry area away from fierce heat that may cause damage to packaging materials/pallets.												
08	EXPOSURE CONTROLS/PERSONAL PROTECTION												
	i. Exposure Control - See section 15 for exposure control criteria.												
	<table><tr><th>SUBSTANCE</th><th>O.E.L. VALUE</th><th>DESIGNATION</th></tr><tr><td>Alumina</td><td>4.00 mg/cu.m.</td><td>O.E.S. (R)</td></tr><tr><td>Silicon Carbide</td><td>4.00 mg/cu.m.</td><td>O.E.S. (R)</td></tr><tr><td>Carbon</td><td>4.00 mg/cu.m.</td><td>O.E.S. (R)</td></tr></table>	SUBSTANCE	O.E.L. VALUE	DESIGNATION	Alumina	4.00 mg/cu.m.	O.E.S. (R)	Silicon Carbide	4.00 mg/cu.m.	O.E.S. (R)	Carbon	4.00 mg/cu.m.	O.E.S. (R)
SUBSTANCE	O.E.L. VALUE	DESIGNATION											
Alumina	4.00 mg/cu.m.	O.E.S. (R)											
Silicon Carbide	4.00 mg/cu.m.	O.E.S. (R)											
Carbon	4.00 mg/cu.m.	O.E.S. (R)											
	ii. Personal Protection												
Ventilation	Where practicable maintain atmospheric dust control by engineering methods, eg Local exhaust ventilation.												
Respiratory	Where atmospheric dust control cannot be achieved at source in light anticipated concentration use a dust mask of standard EN149 FFP 2S - Nominal Protection = 12.												
Eye	Use suitable industrial grade protection where there is a risk from excessive dust generation.												
Hand	General purpose barrier cream and anti-slip gloves are recommended.												
Other	Overalls and safety footwear are recommended.												
09	PHYSICAL AND CHEMICAL PROPERTIES												
Physical: Appearance Solubility pH Temperature Limit Bulk Density	Black solid shape. Negligible. Slightly alkaline. See Specific Product Data Sheet. See Specific Product Data Sheet.												
Chemical:	By XRF Analysis. See Specific Product Data Sheet.												
10	STABILITY AND REACTIVITY												
Chemical Stability Incompatibility Conditions to avoid Hazardous Decomposition	Stable in the form supplied. None known. Ensure storage requirements are not compromised. None known.												
11	TOXICOLOGICAL INFORMATION												
	This product range as supplied provides minimal threat to human health within the described standards (See Section 8).												
12	ECOLOGICAL INFORMATION												
	Carbon products are relatively inert in the form supplied. Bioaccumulation potential or aquatic toxicity is considered negligible.												

Vesuvius - Premier Ref. Material Safety Data Sheet

CARBON BLACK RANGE - DO NOT USE - NOW IN NOTES TS



Material Safety Data Sheet

13	DISPOSAL CONSIDERATIONS
	Uncontaminated Carbon products may be disposed of as non-hazardous solid waste in accordance with local regulations and statutory provisions. Before carrying out disposal operations customers are advised to evaluate any changes to the product that may be induced by the introduction of substances and operating conditions not under the control of the vendor.
14	TRANSPORT INFORMATION
	No special legislative measures are required. Keep product well protected from moisture, rain, snow, frost etc.
15	REGULATORY INFORMATION
	EC Directives 88/379/EEC and 91/155/EEC. The UK Chemicals (Hazard Information and Packaging) Regulations. The UK Health and Safety at Work Act Regulations 1974 - Section 6. The UK Control of Substances Hazardous to Health Regulations 1988. Exposure Control - The current issue of the HSE Guidance Note EH40 - Occupational Exposure Limits - Assigns to substances Maximum Exposure Limits (MEL) or Occupational Exposure Standards (OES) over a time weighted average of 8 hours, at atmospheric pressure between 900 and 1100 m.bars. Customers are advised that the quoted Occupational Exposure Limits values and designation are those current within the United Kingdom. Values and designation may vary in other countries.
16	OTHER INFORMATION
	The product is supplied packaged on pallets. The weight of the pallet load is indicated on the packaging label. Customers are advised to consider any manual handling requirements in line with pertinent legislative requirements. This safety data sheet will be periodically reviewed and will be updated when occupational exposure limits are changed or when the contained information does not accurately reflect safety risk or to comply with any change in legislative requirements. The vendor undertakes as appropriate to supply the customer with any revision of this safety data sheet. Carbon Block Range information contained within the pages of this safety data sheet relate to such products and their intended usage. Every effort has been made to ensure that this information is correct and gives adequate safety margins in line with current knowledge.

Vesuvius - Premier Ref. Material Safety Data Sheet

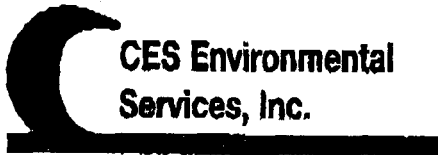
CARBON BLOCK RANGE - DO NOT USE - NO WRN NOTES TS

NOV-25-2008 13:11

CES ENVIROMENTAL

7137488664 P.002

M S D S



4804 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1678

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1549

Customer: Koch Knight LLC

Waste Generator: Koch Knight LLC

Waste Stream Name: Non-RCRA Wastewater

Expiration Date: 5/3/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

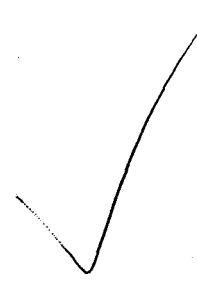
Everick Jackson
Customer Name

Emy Jackson
Signature

Koch Knight LLC / Superintendent
Company / Title

11-25-08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability





KOCH KNIGHT LLC

MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME CERAMIC PRODUCTS
TRADE NAME(S) KNIGHTWARE® INTERNALS,
KNIGHTWARE® LESSING RINGS,
KNIGHTWARE® BRICK,
KNIGHTWARE® CROSS
PARTITION RINGS,
KNIGHTWARE® NEUTRALIZING
SUMPS, CERAMIC BARS,
CERAMIC RASCHIG RINGS,
FLEXISADDLE™ TOWER
PACKING, FLEXERAMIC®
CERAMIC STRUCTURED
PACKING



CAS NUMBER 14808-60-7
MSDS NUMBER 8083
PRODUCT CODE ND
PRODUCT USE CERAMIC PRODUCTS
MANUFACTURER /
SUPPLIER Koch Knight, LLC
P.O. Box 30070
5385 Orchardview Drive, S.E.
East Canton, OH
44730 USA

TELEPHONE NUMBERS - 24 HOUR ASSISTANCE

Koch Glitsch: 330-488-1651
Canutec: 613-996-6666
Chemtrex: 800-424-9300

TELEPHONE NUMBERS - GENERAL ASSISTANCE

8-5 (M-F, CST) Product 330-488-1651
Assistance
8-5 (M-F, CST) MSDS 330-488-1651
Assistance

2 COMPOSITION / INFORMATION ON INGREDIENTS

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

EPAHO112000738

Ingredient Name	CAS Number	Concentration*	Exposure Limits / Health Hazards
SILICA, CRYSTALLINE - QUARTZ	14808-60-7	15 - 40 %	0.05 mg/m3 8-Hour TWA (ACGIH) Total Particulate Dust: 30 mg/m3 divided by % SiO2 + 2 (OSHA) Respirable Particulate: 10 mg/m3 divided by % SiO2 + 2 (OSHA)

*Values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time.

UNDER NORMAL USE, CERAMIC PRODUCTS IN SOLID FORM DO NOT PRESENT A HEALTH HAZARD.
Cutting brick or placing packing may release small quantities of the particles mentioned above.

WHMIS Classification: D2A

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

HEALTH HAZARDS

MAY BE IRRITATING TO THE SKIN AND RESPIRATORY TRACT

CANCER HAZARD

SEE "TOXICOLOGICAL INFORMATION" (SECTION 11) FOR MORE INFORMATION

FLAMMABILITY HAZARDS

NON-COMBUSTIBLE

REACTIVITY HAZARDS

STABLE

POTENTIAL HEALTH EFFECTS, SKIN

Contact may cause reddening, itching and inflammation.

POTENTIAL HEALTH EFFECTS, EYE

Prolonged or repeated exposure may cause irritation, pain, conjunctivitis and possible corneal damage.

POTENTIAL HEALTH EFFECTS, INHALATION

Dusts may cause irritation to the nose, throat and lungs by mechanical abrasion. Symptoms may include sore throat, coughing, labored breathing, sneezing and burning sensation, depending on the concentration and duration of exposure.

Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information" (Section 11).

Other specific symptoms of exposure are listed under "Toxicological Information" (Section 11).

POTENTIAL HEALTH EFFECTS, INGESTION

Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information" (Section 11).

Other specific symptoms of exposure are listed under "Toxicological Information" (Section 11).

ND = No Data NA = Not Applicable

Printed On 1/7/2002

2 / 7

Material Id 8083

Trade Name CERAMIC PRODUCTS

4 FIRST AID MEASURES

SKIN

Immediately flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Place contaminated clothing in closed container for storage until laundered or discarded. If clothing is to be laundered, inform person performing operation of contaminant's hazardous properties. Discard contaminated leather goods.

EYE

If eyes become irritated from contact with dust, flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

INHALATION

Remove to fresh air. If not breathing, institute rescue breathing. If breathing is difficult, ensure airway is clear and give oxygen.

Get medical attention.

INGESTION

Get medical attention.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Material itself will not burn.

BASIC FIRE FIGHTING PROCEDURES

Evacuate area and fight fire from a safe distance. Use extinguishing agent suitable for type of surrounding fire.

Use water spray to cool adjacent structures and to protect personnel.

Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

UNUSUAL FIRE & EXPLOSION HAZARDS

None known.

Flash Point	ND
Autoignition Temperature	ND
Flammability Limits in Air, Lower, % by Volume	ND
Flammability Limits in Air, Upper, % by Volume	ND

6 ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind. (See Exposure Controls/Personal Protection in Section 8.)

ENVIRONMENTAL PRECAUTIONS

If product is released to the environment, take immediate steps to stop and contain release. Caution should be exercised regarding personnel safety and exposure to the released product. Notify local, provincial and/or federal authorities, if required.

SPILL OR LEAK PROCEDURE

Shovel into a container for later disposal. Avoid cleanup procedures that may result in water pollution.

Do not touch or walk through spilled material.

Avoid excessive generation of dust. If dust is generated, appropriate respiratory, eye and skin protection should be used to protect personnel during clean-up.

See Exposure Controls/Personal Protection (Section 8).

7 HANDLING & STORAGE

HANDLING

Do not cut, grind, drill, weld or reuse containers unless adequate precautions are taken against these hazards.

Minimize dust generation during handling and contact. Avoid inhaling dust and contact with skin and eyes.

Do not eat, drink or smoke in areas of use or storage.

STORAGE

Store outdoors with proper provisions for containment or in ventilated indoor areas equipped to confine dusts.

Empty containers may contain product residue. Do not reuse without adequate precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

General or local exhaust ventilation and other forms of engineering controls are the preferred means for controlling exposures.

EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear chemical safety goggles and face shield. Have eye washing facilities readily available where eye contact can occur.

SKIN PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Avoid skin contact with this material.

If skin contact is anticipated, protective clothing, including impervious gloves, should be worn.

Use good personal hygiene.

RESPIRATORY PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

A NIOSH/MSHA approved air purifying respirator with a dust/mists cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

9 PHYSICAL & CHEMICAL PROPERTIES

ODOR AND APPEARANCE

ODORLESS, WHITE POWDER OR FINE CRYSTALS

Boiling Point	4046 °F (2230 °C)
Specific Gravity	2.7
Melting Point	> 3110 °F (>1710 °C)
Percent Volatile	ND
Vapor Pressure	NA
Vapor Density	NA
Bulk Density	ND
Solubility in Water	INSOLUBLE
Octanol/Water Partn	NA
Volatile Organic	ND
Pour Point	NA
pH Value	ND
Freezing Point	ND
Viscosity	ND
Evaporation Rate	ND
Molecular Formula	NA
Molecular Weight	ND
Chemical Family	QUARTZ
Odor Threshold	ODORLESS

10 STABILITY & REACTIVITY

STABILITY/INCOMPATIBILITY

Incompatible with hydrofluoric acid, fluorine, chlorine trifluoride or oxygen difluoride.

Stable under normal conditions of use.

See precautions under Handling & Storage (Section 7).

HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS

May form corrosive and toxic silicon tetrafluoride gas, if dissolved in hydrofluoric acid.

11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE

Inhalation, ingestion, skin and eye contact.

LD50

ND

TOXICOLOGICAL DATA

Acute or chronic overexposure to this material or its components may cause systemic toxicity, including adverse effects to the following: respiratory system.

Exposure to components of this material may cause the following specific symptoms, depending on the concentration and duration of exposure: pneumoconiosis, asthma and massive pulmonary fibrosis.

CARCINOGENICITY

This product contains crystalline silica. Silica causes silicosis, a form of disabling, progressive, and sometimes fatal pulmonary fibrosis characterized by the presence of typical lung nodules. Crystalline silica has been determined by IARC to be carcinogenic to humans (Group 1). Case reports indicate that crystalline silica, or the disease silicosis, is associated with an increased incidence of scleroderma, an immune disorder. Individuals with silicosis are also predisposed to develop tuberculosis.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

5 / 7

Material Id 8083

Trade Name CERAMIC PRODUCTS

TERATOGENICITY, MUTAGENICITY, OTHER REPRODUCTIVE EFFECTS

Please see Toxicological Data.

PRE-EXISTING CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing medical conditions which may be aggravated by exposure include disorders of the respiratory system.

12 ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION**

ND

13 DISPOSAL CONSIDERATIONS**WASTE DISPOSAL**

This product, as supplied, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste subject to RCRA.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state and local regulations.

In Canada, wastes should be disposed of according to federal, state, provincial and local regulations.

14 TRANSPORT INFORMATION**BILL OF LADING - BULK (U. S. DOT)**

Non-Regulated

BILL OF LADING - NON-BULK (U. S. DOT)

Non-Regulated

The above description may not cover shipping in all cases, please consult 49 CFR 172.101 for specific shipping information.

15 REGULATORY INFORMATION**FEDERAL REGULATIONS**

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

This product, as supplied, contains no hazardous substances regulated under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302), or any extremely hazardous substances regulated under the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355), and thus a release of this product as supplied has no reporting requirements under these regulations. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Failure to report may result in substantial civil and criminal penalties.

This product does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the annual toxic chemical release reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313 (40 CFR 372).

There may be specific regulations at the local, regional or state/provincial level that pertain to this product.

STATE REGULATIONS

WARNING: This product contains a chemical known to the State of California to cause cancer.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

6 / 7

Material Id 8083

Trade Name CERAMIC PRODUCTS

EPAHO112000743

INTERNATIONAL REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

WHMIS Classification: D2A.

All known major components of this product are listed on the Canadian DSL.

SARA TITLE III RATINGS

Immediate Hazard:	-	Delayed Hazard:	X	Fire Hazard:	-	Pressure Hazard:	-
Reactivity Hazard:	-						

NFPA RATINGS

Health	1	Flammability	0	Reactivity	0	Special Hazards	-
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HMIS RATINGS

Health	1*	Flammability	0	Reactivity	0
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WHMIS RATINGS

Compressed Gas		Flammable/Combustible		Oxidizer		Acutely Toxic	
Other Toxic Effects	X	Bio Hazardous		Corrosive		Dangerously Reactive	

16 OTHER INFORMATION

DISCLAIMER

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Current Revision Date 07-Jan-2002

Replaces Sheet Dated 31-Dec-2001

Completed By Safety & Emergency Response, Koch Chemical Technology Group, LLC



Material Safety Data Sheet

01	PRODUCT AND COMPANY IDENTIFICATION																				
PRODUCT NAME Product Type	CARBON BLOCK RANGE--DO NOT USE--NOW IN NOTES TS Fired Carbon Shaped Refractory--DO NOT USE																				
Application	Aluminium and ferrous industries.																				
Manufacturer Address	VESUVIUS--PREMIER REF. AUSTERFIELD BRICKWORKS BAWTRY NR DONCASTER SOUTH Y ORKSHIRE TELEPHONE 01302 718100 TELEFAX 01302 718111																				
Enquiry Contact	Technical Centre Help Desk 01909 471471																				
Emergency Contact	HEALTH AND SAFETY ADVISOR TELEPHONE 01246 571700 TELEFAX 01246 571971																				
02	COMPOSITION/INFORMATION ON INGREDIENTS																				
COMPONENTS	A hydraulically pressed, heat treated mixture of carbon, silicon, alumina, and silicon carbide. <table border="1"><thead><tr><th>SUBSTANCE</th><th>% RANGE</th><th>IDENT NO.</th><th>R/S PHRASE</th></tr></thead><tbody><tr><td>Alumina</td><td>0 - 6</td><td>CAS 1344-28-1</td><td></td></tr><tr><td>Silicon</td><td>0 - 6</td><td>CAS 7440-21-3</td><td></td></tr><tr><td>Silicon Carbide</td><td>0 - 6</td><td>CAS 409-21-2</td><td></td></tr><tr><td>Carbon</td><td>70 - 90</td><td>CAS 7440-44-0</td><td></td></tr></tbody></table>	SUBSTANCE	% RANGE	IDENT NO.	R/S PHRASE	Alumina	0 - 6	CAS 1344-28-1		Silicon	0 - 6	CAS 7440-21-3		Silicon Carbide	0 - 6	CAS 409-21-2		Carbon	70 - 90	CAS 7440-44-0	
SUBSTANCE	% RANGE	IDENT NO.	R/S PHRASE																		
Alumina	0 - 6	CAS 1344-28-1																			
Silicon	0 - 6	CAS 7440-21-3																			
Silicon Carbide	0 - 6	CAS 409-21-2																			
Carbon	70 - 90	CAS 7440-44-0																			
03	HAZARDS IDENTIFICATION																				
Dust Health Effect	(CARBONBLOCK) - Any dust produced from curing, grinding, breaking etc Will be non-siliceous carbon particulate. Over exposure to this dust may cause irritation to the eyes and upper respiratory tract.																				
04	FIRST AID MEASURES																				
Skin Contact Eye Contact Inhalation Ingestion	DUST - Wash off with warm soapy water. DUST - Flush with suitable eye wash - Seek medical advice. DUST - Remove to fresh air. DUST - Seek medical advice.																				
05	FIRE FIGHTING MEASURES																				
Extinguisher type Special Procedures	General purpose for packaging material/pallets. Wear breathing apparatus to protect against the risk of fire generated fume emissions.																				
06	ACCIDENTAL RELEASE MEASURES																				
Spillage	Product may be reused subject to not being damaged.																				
07	HANDLING AND STORAGE																				
Handling	Care should be taken because of the smooth slippery nature of product																				

Vesuvius-Premier Ref. Material Safety Data Sheet

CARBON BLOCK RANGE--DO NOT USE--NOW IN NOTES TS



Material Safety Data Sheet

07	HANDLING AND STORAGE												
Storage	surfaces. Store in a dry area away from floor heat that may cause damage to packaging materials/pallets.												
08	EXPOSURE CONTROLS/PERSONAL PROTECTION												
	i. Exposure Control - See section 15 for exposure control criteria. <table><tr><td>SUBSTANCE</td><td>O.E.L. VALUE</td><td>DESIGNATION</td></tr><tr><td>Alumina</td><td>4.00 mg/cu.m.</td><td>O.E.S. (R)</td></tr><tr><td>Silicon Carbide</td><td>4.00 mg/cu.m.</td><td>O.E.S. (R)</td></tr><tr><td>Carbon</td><td>4.00 mg/cu.m.</td><td>O.E.S. (R)</td></tr></table> ii. Personal Protection	SUBSTANCE	O.E.L. VALUE	DESIGNATION	Alumina	4.00 mg/cu.m.	O.E.S. (R)	Silicon Carbide	4.00 mg/cu.m.	O.E.S. (R)	Carbon	4.00 mg/cu.m.	O.E.S. (R)
SUBSTANCE	O.E.L. VALUE	DESIGNATION											
Alumina	4.00 mg/cu.m.	O.E.S. (R)											
Silicon Carbide	4.00 mg/cu.m.	O.E.S. (R)											
Carbon	4.00 mg/cu.m.	O.E.S. (R)											
Ventilation	Where practicable maintain atmospheric dust control by engineering methods, eg Local exhaust ventilation.												
Respiratory	Where atmospheric dust control cannot be achieved at source in light anticipated concentration use a dust mask of standard EN149 FFP 29 - Nominal Protection = 12.												
Eye	Use suitable industrial grade protection where there is a risk from excessive dust generation.												
Hand	General purpose barrier cream and anti-slip gloves are recommended.												
Other	Overalls and safety footwear are recommended.												
09	PHYSICAL AND CHEMICAL PROPERTIES												
Physical: Appearance Solubility pH Temperature Limit Bulk Density Chemical:	Black solid shape. Negligible. Slightly alkaline. See Specific Product Data Sheet. See Specific Product Data Sheet. By XRF Analysis. See Specific Product Data Sheet.												
10	STABILITY AND REACTIVITY												
Chemical Stability Incompatibility Conditions to avoid Hazardous Decomposition	Stable in the form supplied. None known. Ensure storage requirements are not compromised. None known.												
11	TOXICOLOGICAL INFORMATION												
	This product range as supplied provides minimal threat to human health within the described standards (See Section 8).												
12	ECOLOGICAL INFORMATION												
	Carbon products are relatively inert in the form supplied. Bioaccumulation potential or aquatic toxicity is considered negligible.												

VESUVIUS-PRIMER Ref. Material Safety Data Sheet

CARBON BLACK RANGE-300 NOT USE-NOW IN NOTES 75



Material Safety Data Sheet

13	DISPOSAL CONSIDERATIONS
	Uncontaminated Carbon products may be disposed of as non-hazardous solid waste in accordance with local regulations and statutory provisions. Before carrying out disposal operations customers are advised to evaluate any changes to the product that may be induced by the introduction of substances and operating conditions not under the control of the vendor.
14	TRANSPORT INFORMATION
	No special legislative measures are required. Keep product well protected from moisture, rain, snow, frost etc.
15	REGULATORY INFORMATION
	EC Directives 88/379/EEC and 91/155/EEC. The UK Chemicals (Hazard Information and Packaging) Regulations. The UK Health and Safety at Work Act Regulations 1974 - Section 6. The UK Control of Substances Hazardous to Health Regulations 1988. Exposure Control - The current issue of the HSE Guidance Note EH40 - Occupational Exposure Limits - Assigns to substances Maximum Exposure Limits (MEL) or Occupational Exposure Standards (OES) over a time weighted average of 8 hours, at atmospheric pressure between 900 and 1100 m.bars. Customers are advised that the quoted Occupational Exposure Limits values and designation are those current within the United Kingdom. Values and designation may vary in other countries.
16	OTHER INFORMATION
	The product is supplied packaged on pallets. The weight of the pallet load is indicated on the packaging label. Customers are advised to consider any manual handling requirements in line with pertinent legislative requirements. This safety data sheet will be periodically reviewed and will be updated when occupational exposure limits are changed or when the contained information does not accurately reflect safety risk or to comply with any change in legislative requirements. The vendor undertakes as appropriate to supply the customer with any revision of this safety data sheet. Carbon Block Range information contained within the pages of this safety data sheet relate to such products and their intended usage. Every effort has been made to ensure that this information is correct and gives adequate safety margins in line with current knowledge.

Vesuvius - Premier Ref. Material Safety Data Sheet

CARBON BLOCK RANGE - DO NOT USE NOW BY NOTES 15

Goodman Manufacturing
Profile # 1572

L. Am



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 5/18/2006

Dear Jim McCoy

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1572

Generator: Goodman Manufacturing

Address: 3300 West 11th Street
Houston, TX 77008

Waste Information

Name of Waste: Oily Rags/Pads/Absorbent

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily rags, pads and booms from cleaning up lubricating oil leaks

Color: Varies

Odor: None

pH: 3-11

Physical State:

Incompatibilities: None

Safety Related Data/Special Handling:

None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000750

MAY-18-2006 09:01

CES Environmental Svcs.

1137488664

P.02

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Generator Information

Company: Goodman Manufacturing

Address: 3300 West 11th Street

City, State, Zip: Houston, TX 77008

Contact: Jim McCoy

Title: EHS Manager - Environmental Affairs Manager

Phone No: 713 263-5327

Fax No: (713) 263-6310

* 24/hr Phone: 281 212 4756

* U.S. EPA I.D. No: TXD008950461

State I.D. 84122

SIC Code: 3585

SECTION 2: Billing Information - ☒ Same as Above

Company:

Address:

City, State, Zip:

Contact:

Phone No:

Title:

Fax No:

SECTION 3: General Description of the WasteName of Waste: Oil, Rags, Pads, AbsorbentDetailed Description of Process Generating Waste: Oil, rags, pads and booms from cleaning up lubricating oil leaks

Physical State:

☐ Liquid☐ Sludge☐ Powder☒ Solid☐ Filter Cake☐ CombinationColor: variesOdor: NoneSpecific Gravity (water=1): 1.5Density: 12 lbs/gal

Layers:

☒ Single-phase☐ Multi-phase

Container Type:

☒ Drum☒ Tote☐ Truck☐ Other (explain)

Container Size:

55-gal250-gal

Frequency:

☐ Weekly☒ Monthly☐ Quarterly☐ YearlyNumber of Units (containers): 10

Other: _____

Texas State Waste Code No:

Recyclable

Proper U.S. DOT Shipping Name:

Non DOT Regulated Materials

Class: N/AUN/NA: N/APG: N/ARQ: N/A

Flash Point >140	pH 3-11	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 2% >50%
Oil & Grease >100mg/l	TOC 10000mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

MAY-18-2006 09:02

CES Environmental Svcs.

137488664

P.03

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Lubricating Oils		1-15	%
Cloth Rags		30-80	%
PP absorbent pads/booms		30-80	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

None**SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None**SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

None**SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: N/A
 TCLP Volatiles: N/A
 TCLP Semi-Volatiles: N/A
 Reactivity: N/A
 Corrosivity: N/A
 Ignitability: N/A

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Date: 5/18/06Printed Name/Title: Jim McCoy/EHS ManagerEnvironmental Compliance Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Additional Information: RECDate: 5-18-06Approved

Rejected

Approval Number: 1572

SECTION 10: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☒ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1572

Customer: Goodman Manufacturing (Furnace Plant)

Waste Generator: Goodman Manufacturing (Furnace Plant)

Waste Stream Name: Oily Rags/Pads/Absorbent

Expiration Date: 4/26/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

The following analysis is required for recertification.
Please submit results of the following tests.

Goodman
Customer Name

[Signature]
Signature

Mgr Envir Affairs
Company / Title

7/13/09
Date

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

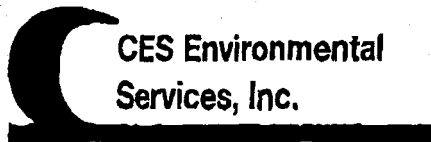
PGI INTERNATIONAL
Profile # 1239

1239

NOV-01-2007 08:53

CES Environmental Service

713 676 1676 P.02



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1239

Customer: PGI International

Waste Generator: PGI International

Waste Stream Name: Oily Water

Expiration Date: 12/6/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

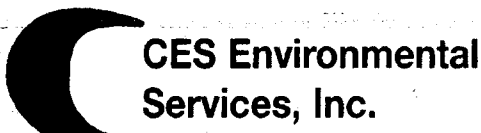
☐ Please send new profile as waste stream has changed.

Steve Starnes
Customer Name

[Signature]
Signature

Plant Engineering Purchasing agent
Title

P.G.I. International
Company



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 12/6/2005

Dear Phil Orth

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1239

Generator: PGI International

Address: 16101 Vallen Dr
Houston, TX 77041

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type: Truck

Detailed Description of Process Generating Waste:

Oil, coolant and water from machining carbon steel metal.

Color: Dark

Odor: Hydrocarbon

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : PGI International
Address : 16101 Vallen Dr
City, State, Zip : Houston TX 77041
Contact : Phil Orth Title : Purchasing Agent
Phone No : (713) 744-9782 Fax : (713) 744-9892
24 / HR Phone : (713) 744-9782
U.S EPA I.D No : N/A
State I.D : N/A SIC Code

SECTION 2: Billing Information

Company : PGI International
Address : 16101 Vallen Dr
City, State, Zip : Houston TX 77041
Contact : Phil Orth Title : Purchasing Agent
Phone No : (713) 744-9782 Fax : (713) 744-9892

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of Process Generating Waste:

Oil, coolant and water from machining carbon steel metal.

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Dark Odor : Hydrocarbon

Specific Gravity (Water=1) : 1 Density : 8.34 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 130 bbl

Number Of Units : 2500

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Recyclable hydrocarbon and water mixture

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0-2 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Coolant		0.5-1	%
Cutting Oil		2-3	%
Hydraulic Oil		2-3	%
Water		93-97	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : N/A

TCLP Volatiles : N/A

TCLP Semi-Volatiles : N/A

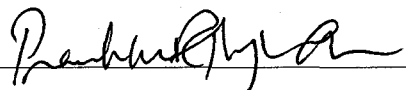
Reactivity : N/A

Corrosivity : N/A

Ignitability : N/A

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature :  Date : 12/6/2005

Printed Name / Title : Phil Orth / Purchasing Agent

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 12/6/2005 Status : Approved Rejected

Approval Number : 1239

Additional Information

--

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

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CES Environmental Service

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**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: PGI International
Address: 16101 Vallen Dr 16101 Vallen Drive
City, State, Zip: Houston TX 77041
Contact: Phil Orth Steve Starnes Title: Purchasing Agent - Buyer
Phone No: (713) 744-9782 Fax: (713) 744-9892
24 / HR Phone: (713) 744-9782
U.S. EPA I.D No: N/A
State I.D: N/A SIC Code

SECTION 2: Billing Information

Company: PGI International
Address: 16101 Vallen Dr 16101 Vallen Drive
City, State, Zip: Houston TX 77041
Contact: Phil Orth Title: Purchasing Agent
Phone No: (713) 744-9782 Fax: (713) 744-9892

SECTION 3: General Description of the WasteName of Waste: Oil Water**Detailed Description of the Process Generating Waste:**

Oil, coolant and water from machining carbon steel metal.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Dark Odor: HydrocarbonSpecific Gravity (Water=1): 1 Density: 8.34 lbs / galDoes this material contain any total phenolic compounds? ☐ Yes ☐ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☐ NoIs the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers: ☒ Single-Phase ☐ Multi-PhaseContainer Type: ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)Container Size: 130 bblNumber Of Units: 2Is this a USEPA "Hazardous Waste" per 40 CFR 261.37 ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Recyclable hydrocarbon and water mixture

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0-2 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Water		93-97	%
Hydraulic Oil		2-3	%
Cutting Oil		2-3	%
Coolant		0.5-1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : N/A

TCLP Volatiles : N/A

TCLP Semi-Volatiles : N/A

Reactivity : N/A

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CES Environmental Service

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Corrosivity : N/A

Ignitability : N/A

SECTION 9: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 138 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oil Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

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CES Environmental Service

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P.05

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory☐ Oils Subcategory☐ Organics Subcategory**SECTION 10: Additional Instruction**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____

Date : 12/8/2005

Printed Name / Title : ~~Phil Oak / Purchasing Agent~~

Steve Starnes - Buyer

6-5-08

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Prabhakar Thengudu

Date : 12/8/2007

Status :

Approved

Rejected

Approval Number :

1239

713 676-1676

Tex made chemicals, Inc 1253
Profile # 1253



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

MB

Waste Pre-Acceptance/Approval Letter

Date 12/7/2005

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1253

Generator: Texmark Chemicals, Inc.
Address: 900 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Process Wastewater

TCEQ Waste Code #: 00161191

Container Type: Truck

Detailed Description of Process Generating Waste:

Tank wash water (last containing n-hexamethyl amine)

Color: Grey

Odor: Hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Texmark Chemicals, Inc.

Address : 900 Clinton Drive

City, State, Zip : Galena Park TX 77547

Contact : Linda Salinas

Title : Environmental Manager

Phone No : (713) 455-1206

Fax : 713-455-8959

24 / HR Phone : (713) 455-1206

U.S EPA I.D No : TXD088363692

State I.D : 30654

SIC Code

SECTION 2: Billing Information

Company : Texmark Chemicals, Inc.

Address : 900 Clinton Drive

City, State, Zip : Galena Park TX 77547

Contact : Linda Salinas

Title : Environmental Manager

Phone No : (713) 455-1206

Fax : 713-455-8959

SECTION 3: General Description of the Waste

Name of Waste : Process Wastewater

Detailed Description of Process Generating Waste:

Tank wash water (last containing n-hexamethyl amine)

Physical State :

☐ Liquid

☐ Sludge

☐ Powder

☐ Solid

☐ Filter Cake

☐ Combination

Color :

Grey

Odor :

Hydrocarbon

Specific Gravity (Water=1) :

Density :

lbs / gal

Layers :

☒ Single-Phas

☐ Multi-Phase

Container Type :

☐

Drum

☐

Tote

☒

Truck

☐

Other (explain)

Container Size :

130 bbl

Number Of Units :

5000

Texas State Waste Code No :

00161191

Proper U.S. State Waste Code No :

Non-RCRA/Non DOT regulated process wastewater

Class :

UN/NA :

PG :

RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 0-2 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
N-Hexamethyl amine		10	%
Water		90	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 12/7/2005

Printed Name / Title : Linda Salinas / Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : *[Signature]*

Date : 12-7-05 Status : ☒ Approved ☐ Rejected

Approval Number : 1253

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☒ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 12/12/2005

Dear **Linda Salinas**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1253

Generator: Texmark Chemicals, Inc.
Address: 900 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Process Wastewater

TCEQ Waste Code #: 00161191

Container Type: Truck

Detailed Description of Process Generating Waste:

Tank wash water (last containing n-hexamethyl amine)

Color: Grey

Odor: Hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000773



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Texmark Chemicals, Inc.

Address : 900 Clinton Drive

City, State, Zip : Galena Park TX 77547

Contact : Linda Salinas

Title : Environmental Manager

Phone No : (713) 455-1206

Fax : 713-455-8959

24 / HR Phone : (713) 455-1206

U.S EPA I.D No : TXD088363692

State I.D : 30654

SIC Code

SECTION 2: Billing Information

Company : Texmark Chemicals, Inc.

Address : 900 Clinton Drive

City, State, Zip : Galena Park TX 77547

Contact : Linda Salinas

Title : Environmental Manager

Phone No : (713) 455-1206

Fax : 713-455-8959

SECTION 3: General Description of the Waste

Name of Waste : Process Wastewater

Detailed Description of Process Generating Waste:

Tank wash water (last containing n-hexamethyl amine)

Physical State :

☐ Liquid

☐ Sludge

☐ Powder

☐ Solid

☐ Filter Cake

☐ Combination

Color :

Grey

Odor :

Hydrocarbon

Specific Gravity (Water=1) :

Density :

lbs / gal

Layers :

☒ Single-Phas

☐ Multi-Phase

Container Type :

☐

Drum

☐

Tote

☒

Truck

☐

Other (explain)

Container Size :

130 bbl

Number Of Units :

5000

Texas State Waste Code No :

00161191

Proper U.S. State Waste Code No :

Non-RCRA/Non DOT regulated process wastewater

Class :

UN/NA :

PG :

RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 0-2 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		90	%
N-Hexamethyl amine		10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 12/7/2005

Printed Name / Title : Linda Salinas / Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)**Additional Information**

Compliance Officer : Prabhakar Thangudu

Date : 12/7/2005 Status : Approved Rejected

Approval Number : 1253 --

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☒ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1253

Generator: TEXMARK CHEMICALS

Address: 900 CLINTON DRIVE

Name of Waste: PROCESS WASTEWATER

TCEQ Waste Code Number: 00161191

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

■ Color of Sample: BROWN

■ Physical Appearance

Liquid _____ Solid _____

Multiphase Liquid _____ Solid _____ Sludge _____

Describe: _____

■ Matches description from the waste profile:

☒ YES ☐ NO

■ Matches general composition from the waste profile:

☒ YES ☐ NO

■ pH of liquid (water phase): 7.02

■ Odor: HYDROCARBON

■ Compatible with proposed mix material:
(EPA-600/2-80-076 review if applicable)

☒ YES ☐ NO

■ Drum process code(s) assigned (see list): _____

■ Bulk process code assigned (see list): _____

Bulk tank assigned: T-9

Shipment Information

Job Confirmation Number: 16476

Waste Manifest Number: 3956608

Date of Shipment: 12/09/05

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 3000 GAL

Analyst/Sampler: [Signature]

Date: 12/09/05

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Texmark Chemicals, Inc.
Address : 900 Clinton Drive 900 Clinton Drive
City, State, Zip : Galena Park TX 77547
Contact : Linda Salinas Title : Environmental Manager
Phone No : (713) 455-1206 Fax : 713-455-8959
24 / HR Phone : (713) 455-1206
U.S EPA I.D No : TXD088363692
State I.D : 30654 SIC Code _____

SECTION 2: Billing Information

Company : Texmark Chemicals, Inc.
Address : 900 Clinton Drive 900 Clinton Drive
City, State, Zip : Galena Park TX 77547
Contact : Linda Salinas Title : Environmental Manager
Phone No : (713) 455-1206 Fax : 713-455-8959

SECTION 3: General Description of the Waste

Name of Waste : Process Wastewater

Detailed Description of the Process Generating Waste:

Tank wash water (last containing n-hexamethyl amine)

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Grey Odor : Hydrocarbon

Specific Gravity (Water=1) : _____ Density : _____ lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain) _____

Container Size : 130 bbl

Number Of Units : 5

Is this a USEPA "Hazardous Waste" per 40 CFR 261.37 ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : 00161181

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated process wastewater

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 0-2 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
N-Hexamethyl amine		10	%
Water		90	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒
TCLP Volatiles : ☒
TCLP Semi-Volatiles : ☒
Reactivity : ☒

Ignitability :

X

SECTION 8: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oil Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☒ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 6.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Date: 12/7/2005

Printed Name / Title:

Robert Gaudin / PLANT MANAGER
Linda Salinas / Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information:

Compliance Officer: Prabhakar Thangudu

charge \$0.13/gal
\$65/hr trans

Date: 12/7/2006

Status:

Approved

Rejected

Approval Number:

1253

Texmark

TEXMARK CHEMICALS, INC.
900 CLINTON DRIVE
P.O. BOX 67
GALENA PARK, TX 77547
TELEPHONE NUMBER 713/455-1206
FAX NUMBER 713/455-8959

FAX COVER SHEET

TO:

Prabhakar Thangaraj

COMPANY:

CES Environmental

FAX NUMBER:

713-676-1676

FROM:

Bob Kautzman

DATE:

6-9-08

NUMBER OF PAGES:
(including cover page)

5

As per our phone conversation

Bob K.

Altivia Corporation 1259
Profile# 1259

L. Am



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2006

Dear **Hern Loraine**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1259

Generator: Altivia Corporation

Address: 1632 Haden Rd
Houston, TX 77015

Waste Information

Name of Waste: Storm Water

TCEQ Waste Code #: 00102051

Container Type: Truck

Detailed Description of Process Generating Waste:

Removal of storm water from tank battery

Color: Clear

Odor: None

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Altivia Corporation

Address : 1632 Haden Rd

City, State, Zip : Houston TX 77015

Contact : Herne Loraine

Title :

Phone No : (713) 450-4600

Fax : (713) 450-4699

24 / HR Phone :

U.S EPA I.D No : TXD000607457

State I.D : 31956

SIC Code

SECTION 2: Billing Information

Company : Altivia Corporation

Address : 1632 Haden Rd

City, State, Zip : Houston TX 77015

Contact : Herne Loraine

Title :

Phone No : (713) 450-4600

Fax : (713) 450-4699

SECTION 3: General Description of the Waste

Name of Waste : Storm Water

Detailed Description of Process Generating Waste:

Removal of storm water from tank battery

Physical State :

☒ Liquid

☐ Sludge

☐ Powder

☐ Solid

☐ Filter Cake

☐ Combination

Color :

Clear

Odor :

None

Specific Gravity (Water=1) :

1

Density :

8.34

lbs / gal

Layers :

☒ Single-Phas

☐ Multi-Phase

Container Type : ☐ Drum

☐ Tote

☒ Truck

☐ Other (explain)

Container Size :

130 bbl

Number Of Units : 20000

Texas State Waste Code No :

00102051

Proper U.S. State Waste Code No :

Non-RCRA/Non DOT regulated wastewater

Class :

UN/NA :

PG :

RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 0-2 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
	Lube Oils	1-2	%
	Diesel	1-2	%
	Dirt/Sand	0.01-0.5	%
	Alum	0.01-0.05	%
	Water	95-98	%
	Glutanaldehyde	0.005-0.01	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits
TCLP Volatiles : TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits
Reactivity : No reactive materials are present
Corrosivity : pH is neutral
Ignitability : No ignitable materials are present

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : Hegre Lomane

Date : 12/14/05

Printed Name / Title : [Signature]

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Additional Information

Compliance Officer : Robbhan Phangma

Date : 12/12/2005

Status : Approved

Rejected

Approval Number :

1259

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel (713) 676-1460
Fax (713) 676-1678

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1259

Customer: Altivia Corporation

Waste Generator: Altivia Corporation

Waste Stream Name: Storm Water

Expiration Date: 3/1/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number. (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

Please send new profile as waste stream
has changed.

The following analysis is required for recertification.
Please submit results of the following tests.

Altivia Corp
Customer Name

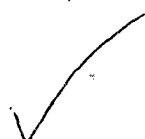
Blennie Simon
Signature

Specialty Supervisor
Company / Title

3/6/09
Date

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

RCRA metals
BTEX



Miller Transporters 1261
Profile # 1261



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 12/13/2005

Dear Ed Wickham

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1261

Generator: Miller Transporters

Address: PO Box 386
Channelview, TX 77530

Waste Information

Name of Waste: Wastewater - Class I Non-Hazardous

TCEQ Waste Code #: 00181101

Container Type: Truck

Detailed Description of Process Generating Waste:

Wastewater generated from external cleaning of transportation equipment and internal rinsing of tank trailers

Color: Varies

Odor: Oil like

pH: 2.1-12.4

Physical State: Liquid

Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000793



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Miller Transporters
Address : PO Box 386
City, State, Zip : Channelview TX 77530
Contact : Ed Wickham Title :
Phone No : (281) 457-6348 Fax : (281) 457-6028
24 / HR Phone :
U.S EPA I.D No : TXD981053325
State I.D : 40614 SIC Code

SECTION 2: Billing Information

Company : Miller Transporters
Address : PO Box 386
City, State, Zip : Channelview TX 77530
Contact : Ed Wickham Title :
Phone No : (281) 457-6348 Fax : (281) 457-6028

SECTION 3: General Description of the Waste

Name of Waste : Wastewater - Class I Non-Hazardous

Detailed Description of Process Generating Waste:

Wastewater generated from external cleaning of transportation equipment and internal rinsing of tank trailers

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Varies Odor : Oil like

Specific Gravity (Water=1) : .99-1.01 Density : 8 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 5000

Number Of Units : 1

Texas State Waste Code No : 00181101

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated rinse water

Class : UN/NA : PG : RQ :

Flash Point >200	pH 2.1-12.4	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 0-1 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc BRL mg/l	Copper BRL mg/l	Nickel BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Oils		0-1	%
Solids		0-1	%
Alcohol, Amines		0-1	%
Water		99-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : Edward P. Wickman

Date : 12/3/2005

Printed Name / Title : Edward Wickman / Edward Wickman, Washrack Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 12/12/2005 Status : Approved ☐ Rejected ☐

Approval Number : 1261

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☒ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Class 1 Non Haz. W.W.

HAZARDOUS OR INDUSTRIAL WASTE STREAM NOTIFICATION FORM

The Texas Solid Waste Disposal Act authorizes the Texas Natural Resource Conservation Commission (TNRCC) to regulate all industrial waste and municipal hazardous waste activities in Texas. Use this form to notify the TNRCC of generation of a new waste or to re-code an existing waste stream from a 6-digit to an 8-character Texas waste code. This information will be added to your site's Notice of Registration (NOR). Do NOT use this form to notify the TNRCC of changes to 8-digit waste codes already on your NOR. The State of Texas Environmental Electronic Reporting System (STEERS) may benefit your facility's environmental reporting. With this system, you have the ability to add waste streams electronically to your NOR. If you have any questions or comments concerning STEERS, please call the STEERS helpline at (512) 239-8925.

All information is required for a complete notification, unless otherwise indicated.

Refer to the instructions accompanying this form before you begin filling out the form.

TNRCC Solid Waste Registration Number: 40614 EPA ID: TX0981053325

COMPANY NAME: Miller Transporters, Inc.

GENERATING SITE LOCATION: 15855 Wood Drive, Channelview, Texas

1. **6-Digit Texas Waste Code.** Skip this question and go on to Question 2, if this waste does not have a 6-digit Texas waste code.

If this waste has a 6-digit Texas waste code, previously assigned by TNRCC, enter the code below.

Now go on to Question 2 and provide a complete notification to assign a Texas waste code.

2. Sequence Number.

0018

3. Form Code.

B110

4. Classification.

1

If this is a Class 3 waste, all supporting information, documentation, and rationale must be attached to this notification.

5. Description of Waste/Generating Process/Date of Initial Generation.

Wastewater - Generated from external cleaning of transportation equipment and internal rinsing of tank trailers.

(Continue on separate pages if necessary.)

TNRCC SOLID WASTE REGISTRATION NUMBER: 40614

COMPANY NAME: Miller Transporters, Inc.

6. Origin Codes. Primary Origin Code: 1
Other Applicable Origin Codes:

- | | | | |
|-----------------------------------|---------------------------|--------------------------------------|--------------------------------------|
| 1 Onsite | 2 Spill cleanup | 3 From nonhazardous waste management | 4 Received/no recycling or treatment |
| 5 From hazardous waste management | 6 Publicly funded cleanup | 7 Corrective action or closure | 8 Reserved (Do not use this number.) |

4, 6, and 7 can only be identified as Primary Origin Codes. If you selected 4, 6, or 7 as the Primary Origin Code, do not list any other origin codes.

7. New Chemical Substance. (Answer for Class 2 or Class 3 wastes only) Is this a Class 2 or Class 3 waste generated from the production of a new chemical substance?

☐ Yes ☒ No

If YES, all supporting information, documentation and rationale must be submitted with this notification.

8. Company Waste ID. (Optional)

9. Waste Management Location.

Answer both questions:

- a. Is this waste shipped or managed off-site? ☐ Yes ☒ No
b. Is this waste stored or otherwise managed on-site? ☒ Yes ☐ No

Notice of Registration (NOR) Unit Sequence Numbers if unit is already on NOR. If unit is new, include waste code on unit form TNRCC-0002B:

005 _____

(Continue on separate pages.)

IF NOTIFYING OF A NONHAZARDOUS WASTE, PROCEED TO PAGE 3 AND SIGN AND DATE THE NOTIFICATION. IF THE WASTE IS HAZARDOUS, COMPLETE THE REST OF THE FORM.

TNRCC SOLID WASTE REGISTRATION NUMBER: 40614

COMPANY NAME: Miller Transporters, Inc.

10. EPA Hazardous Waste Numbers.

(Continue on a separate page if necessary.)

11. SIC Codes. (See attached list & instructions.)

Primary SIC Code _____

Other Applicable Codes _____
(Continue on separate page if necessary)

12. Source Codes. (See attached list & instructions.)

Primary Source Code A _____

Other Applicable Codes A _____, A _____, A _____

A _____, A _____, A _____
(Continue on separate page if necessary)

13. Mixed Radioactive Waste. ☐ Yes ☐ No

14. Measurement Points for determining the quantity of the waste to be reported on the annual report.

Primary Measurement Point Code _____

Other Applicable Codes _____

15. System Types. (See attached list & instructions.) Skip this, unless you selected #5 as the Primary Origin Code in response to Question 6.

Primary System Type M _____

Other Applicable Codes M _____, M _____, M _____

Signature: Cheryl R. Brach

Telephone number: 781-4576348

Date: 7-26-97

Return this form to:
Waste Evaluation Section, MC 129
Industrial and Hazardous Waste Division
Texas Natural Resource Conservation Commission
PO Box 13087
Austin TX 78711-3087

00181101

Class 2 Non HRC WW.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

USA ENVIRONMENT

Miller Transporter

Analysis: TCLP Semivolatile Organics
Method: SW8270C

WorkOrder: 03030047
Lab Batch ID: 26036

Method Blank

RunID: P_030305A-1639622 Units: ug/L
Analysis Date: 03/05/2003 21:19 Analyst: GQ
Preparation Date: 03/04/2003 11:20 Prep By: KL Method SW3510C

Samples in Analytical Batch:

Lab Sample ID Client Sample ID
03030047-01C Influent Wastewater
03030047-02A Pit Sludge

Analyte	Result	Rep Limit
1,4-Dichlorobenzene	ND	5.0
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	5.0
2,4-Dinitrotoluene	ND	5.0
Hexachlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Hexachloromethane	ND	5.0
Nitrobenzene	ND	5.0
Pentachlorophenol	ND	25
Pyridine	ND	5.0
2-Methylphenol	ND	5.0
3 & 4-Methylphenol	ND	5.0
Sum: 2,4,6-Tribromophenol	50.7	10-123
Sum: 2-Fluorobiphenyl	64.0	43-116
Sum: 2-Fluorophenol	53.3	21-110
Sum: Nitrobenzene-d5	52.0	36-114
Sum: Phenol-d5	56.0	10-110
Sum: Terphenyl-d14	78.0	33-141

Leachate Blank

RunID: P_030305A-1539623 Units: ug/L
Analysis Date: 03/05/2003 21:49 Analyst: GQ
Preparation Date: 03/04/2003 11:20 Prep By: KL Method SW3510C
Leach Date: 03/03/2003 10:03 Leach By: LM Method SW1311

Analyte	Result	Rep Limit
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	100
2,4,6-Trichlorophenol	ND	60
2,4-Dinitrotoluene	ND	50
Hexachlorobenzene	ND	50
Hexachlorobutadiene	ND	50
Hexachloromethane	ND	50
Nitrobenzene	ND	50
Pentachlorophenol	ND	250
Pyridine	ND	50
2-Methylphenol	ND	50
3 & 4-Methylphenol	ND	50

Laboratory Control Sample (LCS)

RunID: P_030305A-1639624 Units: ug/L
Analysis Date: 03/05/2003 22:19 Analyst: GQ
Preparation Date: 03/04/2003 11:20 Prep By: KL Method SW3510C

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:04 AM



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

USA ENVIRONMENT

Miller Transporter

Analysis: TCLP Semivolatile Organics
Method: SW8270C

WorkOrder: 03030047
Lab Batch ID: 26036

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,4-Dichlorobenzene	250	120	48	30	150
2,4,5-Trichlorophenol	250	120	48	30	150
2,4,6-Trichlorophenol	250	130	52	30	150
2,4-Dinitrotoluene	250	130	52	30	150
Hexachlorobenzene	250	140	56	20	150
Hexachlorobutadiene	250	150	60	20	140
Hexachloroethane	250	120	48	30	140
Nitrobenzene	250	120	48	20	160
Pentachlorophenol	250	85	34	14	176
Pyridine	250	110	44	1	150
2-Methylphenol	250	120	48	30	160
3 & 4-Methylphenol	500	120	24	10	160

Matrix Spike (MS)

Sample Spiked: 03030005-03
RunID: P_030305A-1539826
Analysis Date: 03/06/2003 23:19
Preparation Date: 03/04/2003 11:20

Units: ug/L
Analyst: GQ
Prep By: KL Method SW3510C

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
1,4-Dichlorobenzene	ND	250	170	68	30	150
2,4,5-Trichlorophenol	ND	250	210	84	30	150
2,4,6-Trichlorophenol	ND	250	200	80	30	150
2,4-Dinitrotoluene	ND	250	220	88	30	150
Hexachlorobenzene	ND	250	210	84	20	150
Hexachlorobutadiene	ND	250	210	84	20	140
Hexachloroethane	ND	250	170	68	30	140
Nitrobenzene	ND	250	190	76	20	160
Pentachlorophenol	ND	250	190	76	14	176
Pyridine	ND	250	100	40	1	150
2-Methylphenol	ND	250	190	76	30	160
3 & 4-Methylphenol	ND	500	190	38	10	160

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:04 AM



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Influent Wastewater Collected: 03/03/2003 11:05 SPL Sample ID: 03030888-01

Site: Channelview, TX

Analyses/Method	Result	Rep. Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
TCLP MERCURY			MCL		SW7470A	Units: mg/L		
Mercury	ND	0.0002	0.2	1		03/24/03 16:36 MW		1574733

Prep Method	Prep Date	Prep Initials
SW7470A	03/24/2003 9:00	MW

TCLP METALS BY METHOD 6010B			MCL	SW6010B	Units: mg/L		
Arsenic	ND	0.2	5	2	03/18/03 5:22 EG		1560536
Barium	1.21	1	100	2	03/18/03 5:22 EG		1560536
Cadmium	ND	0.01	1	2	03/18/03 5:22 EG		1560536
Chromium	ND	0.02	5	2	03/18/03 5:22 EG		1560536
Lead	ND	0.1	5	2	03/18/03 5:22 EG		1560536
Selenium	ND	0.2	1	2	03/18/03 5:22 EG		1560536
Silver	ND	0.02	5	2	03/18/03 5:22 EG		1560536

Prep Method	Prep Date	Prep Initials
SW3010A	03/17/2003 9:00	MW

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
D - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

3/28/03 11:49:12 AM



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Influent Wastewater

Collected: 03/03/2003 11:05

SPL Sample ID: 03030047-01

Site: Channelview, TX

Analyses/Method	Result	Rep. Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
CORROSIVITY			MCL	SW9040B	Units: pH Units		
Corrosivity	5.5	0	1		03/03/03 17:30	LM	1535431
IGNITABILITY			MCL	SW1010	Units: °F		
Ignitability	>212	20	1		03/09/03 21:30	DP	1544151
REACTIVE CYANIDE-WATER			MCL	SW7.3.3.2	Units: mg/L		
Reactive Cyanide	ND	0.5	1		03/09/03 20:00	E_S	1544105
REACTIVE SULFIDE - AQUEOUS			MCL	SW7.3.4.2	Units: mg/L		
Reactive Sulfide	ND	10	1		03/09/03 19:00	E_S	1544084
TCLP SEMI-VOLATILE ORGANICS			MCL	SW8270C	Units: ug/L		
1,4-Dichlorobenzene	ND	50	7500	10	03/05/03 23:48	GQ	1539627
2,4,5-Trichlorophenol	ND	100	400000	10	03/05/03 23:48	GQ	1539627
2,4,6-Trichlorophenol	ND	50	2000	10	03/05/03 23:48	GQ	1539627
2,4-Dinitrotoluene	ND	50	130	10	03/05/03 23:48	GQ	1539627
Hexachlorobenzene	ND	50	130	10	03/05/03 23:48	GQ	1539627
Hexachlorobutadiene	ND	50	500	10	03/05/03 23:48	GQ	1539627
Hexachloroethane	ND	50	3000	10	03/05/03 23:48	GQ	1539627
Nitrobenzene	ND	50	2000	10	03/05/03 23:48	GQ	1539627
Pentachlorophenol	ND	250	100000	10	03/05/03 23:48	GQ	1539627
Pyridine	ND	50	5000	10	03/05/03 23:48	GQ	1539627
2-Methylphenol	ND	50	200000	10	03/05/03 23:48	GQ	1539627
3 & 4-Methylphenol	ND	50	400000	10	03/05/03 23:48	GQ	1539627
Surr: 2,4,6-Tribromophenol	28.0 %	10-123		10	03/05/03 23:48	GQ	1539627
Surr: 2-Fluorobiphenyl	22 MI %	43-116		10	03/05/03 23:48	GQ	1539627
Surr: 2-Fluorophenol	33.3 %	21-110		10	03/05/03 23:48	GQ	1539627
Surr: Nitrobenzene-d5	44.0 %	35-114		10	03/05/03 23:48	GQ	1539627
Surr: Phenol-d5	32.0 %	10-110		10	03/05/03 23:48	GQ	1539627
Surr: Terphenyl-d14	24 MI %	33-141		10	03/05/03 23:48	GQ	1539627

Prep Method	Prep Date	Prep Initials	Leach Method	Leach Date	Leach Initials
SW3510C	03/04/2003 11:20	KL	SW1311	03/03/2003 15:47	LM

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit (MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

3/11/2008 7:56:55 AM



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Influent Wastewater

Collected: 03/03/2003 11:05

SPL Sample ID: 03030047-01

Site: Channelview, TX

Analyses/Method	Result	Rep. Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
TCLP VOLATILE ORGANICS			MCL	SW8260B	Units: ug/L			
1,1-Dichloroethene	ND	50	700	10		03/06/03 17:18	LT	1541016
1,2-Dichloroethane	ND	50	500	10		03/06/03 17:18	LT	1541016
2-Butanone	ND	200	200000	10		03/06/03 17:18	LT	1541016
Benzene	ND	50	500	10		03/06/03 17:18	LT	1541016
Carbon tetrachloride	ND	50	500	10		03/06/03 17:18	LT	1541016
Chlorobenzene	ND	50	100000	10		03/06/03 17:18	LT	1541016
Chloroform	ND	50	6000	10		03/06/03 17:18	LT	1541016
Tetrachloroethene	ND	50	700	10		03/06/03 17:18	LT	1541016
Trichloroethene	ND	50	500	10		03/06/03 17:18	LT	1541016
Vinyl chloride	ND	100	200	10		03/06/03 17:18	LT	1541016
Surr: 1,2-Dichloroethane-d4	86.0	% 62-130		10		03/06/03 17:18	LT	1541016
Surr: 4-Bromofluorobenzene	96.0	% 70-130		10		03/06/03 17:18	LT	1541016
Surr: Toluene-d8	100	% 74-122		10		03/06/03 17:18	LT	1541016

Leach Method	Leachate Date	Leach Initials
SW1311	03/03/2003 15:49	LM

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

3/11/2003 7:56:55 AM



Quality Control Report

USA ENVIRONMENT

Miller Transporters

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Analyte: TCLP Volatile Organics
Method: SW8260B

WorkOrder: 03030047
Lab Batch ID: R79156

Method Blank

RunID: L_030306C-1541015 Units: ug/L
Analysis Date: 03/06/2003 11:49 Analyst: LT

Samples in Analytical Batch:

Lab Sample ID: 03030047-01B
Client Sample ID: Influent Wastewater

Analyte	Result	Rep Limit
1,1-Dichloroethene	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
Benzene	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroform	ND	5.0
Tetrachloroethene	ND	5.0
Trichloroethene	ND	5.0
Vinyl chloride	ND	10
Sum: 1,2-Dichloroethane-d4	90.0	62-130
Sum: 4-Bromofluorobenzene	88.0	70-130
Sum: Toluene-d8	98.0	74-122

Laboratory Control Sample (LCS)

RunID: L_030306C-1541014 Units: ug/L
Analysis Date: 03/06/2003 9:59 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	60	120	35	175
1,2-Dichloroethane	50	49	98	35	175
2-Butanone	50	50	100	10	175
Benzene	50	52	104	35	175
Carbon tetrachloride	50	55	110	35	175
Chlorobenzene	50	49	98	35	175
Chloroform	50	56	112	35	175
Tetrachloroethene	50	43	86	35	200
Trichloroethene	50	47	94	35	175
Vinyl chloride	50	72	144	35	175

Matrix Spike (MS)

Sample Spiked: 03030047-01
RunID: L_030306C-1541017 Units: ug/L
Analysis Date: 03/06/2003 17:45 Analyst: LT

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:05 AM



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

USA ENVIRONMENT

Miller Transporters

Analysis: TCLP Volatile Organics
Method: SW8260B

WorkOrder: 03030047
Lab Batch ID: R79156

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
1,1-Dichloroethene	ND	500	550	110	35	175
1,2-Dichloroethane	ND	500	460	92	35	175
2-Butanone	ND	500	470	94	10	175
Benzene	ND	500	480	96	35	175
Carbon tetrachloride	ND	500	510	102	35	175
Chlorobenzene	ND	500	460	92	35	175
Chloroform	ND	500	530	106	35	175
Tetrachloroethene	ND	500	410	82	35	200
Trichloroethene	ND	500	450	90	35	175
Vinyl chloride	ND	500	790	158	35	175

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:06 AM



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

USA ENVIRONMENT

Miller Transporter

Analysis: Corrosivity
Method: SW9040B

WorkOrder: 03030047
Lab Batch ID: R78867

Samples in Analytical Batch:

Lab Sample ID
03030047-01A

Client Sample ID
Influent Wastewater

Laboratory Control Sample (LCS)

RunID: WET_030303L-1535436 Units: pH Units
Analysis Date: 03/03/2003 17:30 Analyst: LM

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Corrosivity	7	7.01	100	99	101

Sample Duplicate

Original Sample: 03030047-01
RunID: WET_030303L-1535431 Units: pH Units
Analysis Date: 03/03/2003 17:30 Analyst: LM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Corrosivity	5.5	5.53	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:06 AM



Quality Control Report

HOUSTON LABORATORY
6860 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

USA ENVIRONMENT

Miller Transporter

Analysis: Reactive Sulfide - Aqueous
Method: SW7.3.4.2

WorkOrder: 03030047
Lab Batch ID: R79293

Method Blank

RunID: WET_0303091-1544081 Units: mg/L
Analysis Date: 03/09/2003 19:00 Analyst: E_S

Samples In Analytical Batch:

Lab Sample ID: 03030047-01A
Client Sample ID: Influent Wastewater

Analyte	Result	Rep Limit
Reactive Sulfide	ND	10

Laboratory Control Sample (LCS)

RunID: WET_0303091-1544089 Units: mg/L
Analysis Date: 03/09/2003 19:00 Analyst: E_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Reactive Sulfide	100	102	102	85	115

Sample Duplicate

Original Sample: 03030047-01
RunID: WET_0303091-1544084 Units: mg/L
Analysis Date: 03/09/2003 19:00 Analyst: E_S

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Sulfide	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

- - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:08 AM



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

USA ENVIRONMENT

Miller Transporter

Analysis: Reactive Cyanide-Water
Method: SW7.3.9.2

WorkOrder: 03030047
Lab Batch ID: R79285

Method Blank

RunID: WET_030309K-1544101 Units: mg/L
Analysis Date: 03/09/2003 20:00 Analyst: E_S

Samples In Analytical Batch:

Lab Sample ID: 03030047-01A
Client Sample ID: Influent Wastewater

Analyte	Result	Rep Limit
Reactive Cyanide	ND	0.50

Laboratory Control Sample (LCS)

RunID: WET_030309K-1544103 Units: mg/L
Analysis Date: 03/09/2003 20:00 Analyst: E_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Reactive Cyanide	4	0.023	23	5	50

Sample Duplicate

Original Sample: 03030047-01
RunID: WET_030309K-1544105 Units: mg/L
Analysis Date: 03/09/2003 20:00 Analyst: E_S

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Cyanide	ND	ND	0	20

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:09 AM



Quality Control Report

HOUSTON LABORATORY
6880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

USA ENVIRONMENT

Miller Transporter

Analysis: Ignitability
Method: SW1010

WorkOrder: 03030047
Lab Batch ID: R78298

Samples in Analytical Batch:

Lab Sample ID
03030047-01A

Client Sample ID
Influent Wastewater

Laboratory Control Sample (LCS)

RunID: WET_030308M-1544150 Units: °F
Analysis Date: 03/08/2003 21:30 Analyst: DP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Ignitability	80	80	100	90	110

Sample Duplicate

Original Sample: 03030047-01
RunID: WET_030308M-1544151 Units: °F
Analysis Date: 03/08/2003 21:30 Analyst: DP

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Ignitability	>212	>212	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:10 AM

**Sample Receipt Checklist
And
Chain of Custody**

3/11/2003 7:57:11 AM



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 03030047	Received By: NB
Date and Time Received: 3/3/2003 1:05:00 PM	Carrier name: SPL
Temperature: 2	Chilled by: Water Ice

- | | | | |
|--|---|-----------------------------|--|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |
| 13. Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance
Issues:

Client Instructions:

3/11/2003 7:57:12 AM

EPАНО112000814



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1260

Generator: MILLER TRANSPORTERS

Address: PO BOX 386

Name of Waste: FIRST FLUSH WASTE WATER

TCEQ Waste Code Number: 00121121 00181101

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

Color of Sample: CLEAR TO BROWN

Physical Appearance

Liquid X

Solid _____

Multiphase Liquid _____

Solid _____

Sludge _____

Describe: _____

Matches description from the waste profile:

☒ YES

☐ NO

Matches general composition from the waste profile:

☒ YES

☐ NO

pH of liquid (water phase): 6.2

Odor: NONE

Compatible with proposed mix material:

☒ YES

☐ NO

(EPA-600/2-80-076 review if applicable)

Drum process code(s) assigned (see list): _____

Bulk process code assigned (see list): _____

Bulk tank assigned: T-7

Shipment Information

Job Confirmation Number: 17196

Waste Manifest Number: 3957028

Date of Shipment: 01/05/06

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 5000 GAL

Analyst/Sampler: ASA

Date: 01/05/06



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1261

Generator: MILLER TRANSPORTERS

Address: PO BOX 386

Name of Waste: PROCESS WASTE WATER

TCEQ Waste Code Number: 00181101

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

Color of Sample: BROWNISH

Physical Appearance

Liquid X

Solid _____

Multiphase Liquid _____

Solid _____

Sludge _____

Describe: _____

Matches description from the waste profile:

☒ YES

☐ NO

Matches general composition from the waste profile:

☒ YES

☐ NO

pH of liquid (water phase): 6.3

Odor: NONE

Compatible with proposed mix material:

☒ YES

☐ NO

(EPA-600/2-80-076 review if applicable)

Drum process code(s) assigned (see list): _____

Bulk process code assigned (see list): _____

Bulk tank assigned: T-7

Shipment Information

Job Confirmation Number: 17329

Waste Manifest Number: 3957083

Date of Shipment: 01/10/06

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 5000 GAL

Analyst/Sampler: [Signature]

Date: 01/10/06



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1261

Generator: MILLER TRANSPORTERS

Address: PO BOX 386

Name of Waste: WASTE WATER

TCEQ Waste Code Number: 00181101

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

■ Color of Sample: BROWNISH

■ Physical Appearance

Liquid ☒

Solid

Multiphase Liquid

Solid

Sludge

Describe:

- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6.8
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
(EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list):
- Bulk process code assigned (see list):
- Bulk tank assigned: T-5

Shipment Information

Job Confirmation Number: 17330

Waste Manifest Number: 395 7084

Date of Shipment: 01/10/06

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 5000 GAL

Analyst/Sampler: [Signature]

Date: 01/10/06

EPAHO112000817



4904 Griggs Road
Houston, TX 77021
Tel: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1261

Customer: Miller Transporters

Waste Generator: Miller Transporters

Waste Stream Name: Wastewater - Class I Non-Hazardous

Expiration Date: 12/12/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number. (Check Appropriate Box)

☒ No changes, please recertify.

Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☒ The following analysis is required for recertification.
Please submit results of the following tests.

Miller Transporters, Inc.
Customer Name

Carlton B. Walker
Signature

Wastewater Foreman
Company / Title

1-29-09
Date

- ☐ TCLP Metals
- ☒ TCLP Volatiles
- ☒ TCLP Semi-volatiles
- ☒ Reactivity
- ☒ Corrosivity
- ☒ Ignitability



Laboratory Analysis Report

Total Number of Pages: 12

Job ID : 09010535



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name :
0109-53 Miller

Report To : Client Name: CES Environmental P.O.#.: 0109-53
Attn: Morgan McCarley Sample Collected By: Sam Brown
Client Address: 4904 Griggs Rd Date Collected: 01/27/09
City, State, Zip: Houston, Texas, 77021

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
0109-53 Miller Process Water	Water	09010535.01
0109-53 Miller Process Water	Water	09010535.02

Sonia West

Released By: Sonia West
Title: Senior Project Manager
Date: 2/3/2009



This Laboratory is NELAP (T104704213-08B-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 01/27/2009 10:00

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 09010535

Date: 2/3/2009

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

M1	Matrix Spike/Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference.
M2	Matrix Spike/Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference.
V1	CCV recovery is above acceptance limits. This target analyte was not detected in the sample.
V6	CCV recovery is above the control limit for this analyte, however the average %difference for all the analytes meets method criteria.

**LABORATORY TEST RESULTS**

Job ID : 09010535

Date 2/3/2009

Client Name: CES Environmental

Attn: Morgan McCarley

Project Name: 0109-53 Miller

Client Sample ID: 0109-53 Miller Process Water

Job Sample ID: 09010535.01

Date Collected: 01/27/09

Sample Matrix Water

Time Collected: 08:00

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				01/29/09 07:00	SG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/L	1	25			01/28/09 13:35	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	BRL	mg/L	1	25			01/28/09 16:00	KS
SW-846 9040C	Corrosivity, pH								
	pH	6.55	s.u.					01/27/09 11:00	RK



LABORATORY TEST RESULTS

Job ID : 09010535

Date 2/3/2009

Client Name: CES Environmental

Attn: Morgan McCarley

Project Name: 0109-53 Miller

Client Sample ID: 0109-53 Miller Process Water

Job Sample ID: 09010535.02

Date Collected: 01/27/09

Sample Matrix Water

Time Collected: 18:00

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8260B	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		01/29/09 12:58	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5	V1, V6	01/29/09 12:58	HW
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		01/29/09 12:58	HW
	Benzene	BRL	mg/L	1	0.13	0.5		01/29/09 12:58	HW
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		01/29/09 12:58	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70		01/29/09 12:58	HW
	Chloroform	BRL	mg/L	1	0.13	6		01/29/09 12:58	HW
	MEK	BRL	mg/L	1	0.13	200		01/29/09 12:58	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		01/29/09 12:58	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		01/29/09 12:58	HW
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		01/29/09 12:58	HW
	p-Bromofluorobenzene(surr)	105	%	1	70-130			01/29/09 12:58	HW
	1,2-Dichloroethane-d4(surr)	96.2	%	1	70-130			01/29/09 12:58	HW
	Dibromofluoromethane(surr)	98.6	%	1	70-130			01/29/09 12:58	HW
	Toluene-d8(surr)	104	%	1	70-130			01/29/09 12:58	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	1	0.05	7.5		01/29/09 16:55	HW
	2,4,5-Trichlorophenol	BRL	mg/L	1	0.05	400		01/29/09 16:55	HW
	2,4,6-Trichlorophenol	BRL	mg/L	1	0.05	2		01/29/09 16:55	HW
	2,4-Dinitrotoluene	BRL	mg/L	1	0.05	0.13		01/29/09 16:55	HW
	2-Methylphenol	BRL	mg/L	1	0.05	200		01/29/09 16:55	HW
	3- & 4-Methylphenols	BRL	mg/L	1	0.05	200		01/29/09 16:55	HW
	Hexachlorobenzene	BRL	mg/L	1	0.05	0.13		01/29/09 16:55	HW
	Hexachlorobutadiene	BRL	mg/L	1	0.05	0.4		01/29/09 16:55	HW
	Hexachloroethane	BRL	mg/L	1	0.05	3		01/29/09 16:55	HW
	Nitrobenzene	BRL	mg/L	1	0.05	2		01/29/09 16:55	HW
	Pentachlorophenol	BRL	mg/L	1	0.05	100		01/29/09 16:55	HW
	Pyridine	BRL	mg/L	1	0.05	4		01/29/09 16:55	HW
	2-Fluorobiphenyl(surr)	71.5	%	1	30-115			01/29/09 16:55	HW
	Phenol-d6(surr)	47.9	%	1	15-120			01/29/09 16:55	HW
	2,4,6-Tribromophenol(surr)	68.3	%	1	10-120			01/29/09 16:55	HW
	p-Terphenyl-d14(surr)	84.3	%	1	18-137			01/29/09 16:55	HW
	2-Fluorophenol(surr)	50	%	1	15-111			01/29/09 16:55	HW
	Nitrobenzene-d5(surr)	61.5	%	1	20-120			01/29/09 16:55	HW

QUALITY CONTROL CERTIFICATE



Job ID : 09010535

Date : 2/3/2009

Analysis : Corrosivity, pH

Method : SW-846 9040C

Reporting Units : s.u.

QC Batch ID : Qb09012715

Created Date : 01/27/09

Created By : Rkurus

Samples in This QC Batch : 09010535.01

QC Type: Duplicate

QC Sample ID: 09010535.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
pH	6.56	6.55	s.u.	0.2	5	

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result	LCSD Assigned	LCSD Result	RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.00	4.00					3.95-4.05	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 09010535

Date : 2/3/2009

Analysis : Reactive Sulfide		Method : SW-846 7.3		Reporting Units : mg/L	
QC Batch ID : Qb09012910		Created Date : 01/28/09		Created By : Ksudha	
Samples in This QC Batch : 09010535.01					
Sample Preparation : PB09012915		Prep Method : SW-846 7.3		Prep Date : 01/28/09 13:30 Prep By : Ksudha	

QC Type: Method Blank						
Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Reactive Sulfide		BRL	mg/L	1	25	

QC Type: Duplicate						
QC Sample ID: 09010557.01						
Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
Reactive Sulfide	420	440	mg/L	4.6	20	

QC Type: LCS and LCSD										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	800	600	75	800	640	80	6.4	20	40-110	

QC Type: MS and MSD											
QC Sample ID: 09010557.01											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Reactive Sulfide	440	200	340	-50						40-110	M2

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 09010535

Date : 2/3/2009

Analysis : Reactive Cyanide		Method : SW-846 7.3	Reporting Units : mg/L	
QC Batch ID : Qb09012912		Created Date : 01/28/09	Created By : Ksudha	
Samples in This QC Batch : 09010535.01				
Sample Preparation : PB09012918		Prep Method : SW-846 7.3	Prep Date : 01/28/09 13:30	Prep By : Ksudha

QC Type: Method Blank							
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Cyanide		BRL	mg/L	1	25		

QC Type: Duplicate							
QC Sample ID: 09010535.01							
Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD									
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit
Reactive Cyanide	5.0	2.18	43.6	5.0	2.22	44.4	1.8	20	40-110

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 09010535

Date : 2/3/2009

Analysis : Ignitability (Flash Point)

Method : SW-846 1010

Reporting Units : °F

QC Batch ID : Qb09012933

Created Date : 01/29/09

Created By : Sgardia

Samples in This QC Batch : 09010535.01

QC Type: Duplicate

QC Sample ID: 09010451.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
Ignitability	>150	>150	°F		20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	85	102	83	86	104	1.2	20	75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 09010535

Date : 2/3/2009

Analysis : TCLP VOC

Method : SW-846 8260B

Reporting Units : mg/L

QC Batch ID : Qb09013008

Created Date : 01/29/09

Created By : Whuimei

Samples in This QC Batch : 09010535.02

Sample Preparation : PB09012927

Prep Method : SW-846 5030C

Prep Date : 01/29/09 11:10 Prep By : Whuimei

TCLP Prep : PB09012901

Prep Method : SW-846 1311

Prep Date : 01/28/09 16:00 Prep By : Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13	
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13	
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15	
Benzene	71-43-2	BRL	mg/L	1	0.13	
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13	
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15	
Chloroform	67-66-3	BRL	mg/L	1	0.13	
MEK	78-93-3	BRL	mg/L	1	0.13	
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16	
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13	
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.1	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.5	0.54	108	0.5	0.546	109	1.1	25	70-130	
Benzene	0.5	0.554	111	0.5	0.562	112	1.4	25	70-130	
Chlorobenzene	0.5	0.505	101	0.5	0.493	98.6	2.4	25	70-130	
MEK	0.5	0.584	117	0.5	0.612	122	4.7	35	70-130	
Tetrachloroethylene	0.5	0.537	107	0.5	0.53	106	1.3	25	70-130	
Trichloroethylene	0.5	0.558	112	0.5	0.579	116	3.7	25	70-130	

QC Type: MS and MSD

QC Sample ID: 09010535.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.5	0.566	113						70-130	
Benzene	BRL	0.5	0.587	117						70-130	
Chlorobenzene	BRL	0.5	0.488	97.6						70-130	
MEK	BRL	0.5	0.663	133						70-130	M1
Trichloroethylene	BRL	0.5	0.591	118						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 09010535

Date : 2/3/2009

Analysis : TCLP Semivolatiles

Method : SW-846 8270D

Reporting Units : mg/L

QC Batch ID : Qb09013019

Created Date : 01/30/09

Created By : Whuimei

Samples in This QC Batch : 09010535.02

Extraction : PB09012929

Prep Method : SW-846 3510C

Prep Date : 01/29/09 09:15 Prep By : Lwang

TCLP Prep : PB09012901

Prep Method : SW-846 1311

Prep Date : 01/28/09 16:00 Prep By : Ksudha



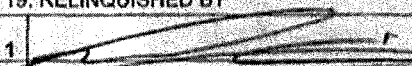
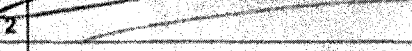
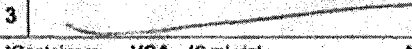


QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05	
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05	
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05	
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05	
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05	
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.05	
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05	
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05	
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05	
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05	
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25	
Pyridine	110-861	BRL	mg/L	1	0.05	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,4-Dichlorobenzene	0.25	0.181	72.4	0.25	0.187	74.8	3.3	35	24-134	
2,4,5-Trichlorophenol	0.25	0.184	73.6	0.25	0.187	74.8	1.6	35	6-115	
2,4,6-Trichlorophenol	0.25	0.179	71.6	0.25	0.184	73.6	2.8	35	40-138	
2,4-Dinitrotoluene	0.25	0.17	68	0.25	0.169	67.6	0.6	35	32-114	
2-Methylphenol	0.25	0.183	73.2	0.25	0.185	74	1.1	35	6-132	
3- & 4-Methylphenols	0.5	0.361	72.2	0.5	0.377	75.4	4.3	35	29-132	
Hexachlorobenzene	0.25	0.221	88.4	0.25	0.225	90	1.8	35	44-142	
Hexachlorobutadiene	0.25	0.171	68.4	0.25	0.172	68.8	0.6	35	20-124	
Hexachloroethane	0.25	0.183	73.2	0.25	0.186	74.4	1.6	35	14-136	
Nitrobenzene	0.25	0.193	77.2	0.25	0.195	78	1	35	38-146	
Pentachlorophenol	0.25	0.127	50.8	0.25	0.127	50.8	0	35	25-125	
Pyridine	0.25	0.07	28	0.25	0.069	27.6	1.4	35	6-112	

Refer to the Definition page for terms.

 10100 East Fwy (I-10) Ste. 100 Houston, TX 77029 713-453-6060 1-877-478-6060 Toll Free 713-453-6091 Fax ablabs.com		1. REPORT TO: Company: CES ENVIRONMENTAL Address: 4904 GARIBOLD ROAD HOUSTON, TX 77021 Contact: MORGAN McALLEY Phone: (713) 676-1460 Fax: (713) 676-1676 E-mail: morga		2. INVOICE TO: Company: SAME Address: _____ Contact: _____ Phone: _____ Fax: <input type="checkbox"/> _____ E-mail: <input type="checkbox"/> _____		3. PO # 0109-53 4. Turnaround Time (Business Days) <input type="checkbox"/> 1 Day* <input type="checkbox"/> Other <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* *Surcharge applies <input checked="" type="checkbox"/> 7 Days - Standard	
A&B JOB ID # 09010535		5. Project # _____		6. Project Name/Location MILLER		7. Reporting Requirement: <input type="checkbox"/> TRRP Limits only <input type="checkbox"/> TRRP Rpt. Package <input type="checkbox"/> See Attached <input type="checkbox"/> Standard Level II	
8. Sampler's Name & Company (PLEASE PRINT) SAM BROWN / CES ENVIRONMENTAL		Sampler's Signature & Date  1/27		13. Containers* 15. Preservatives** 16. PH-Lab Only		17. Analyses/Methods X TCLP Volatiles X TRB Semi-Volatiles X PCT	
9. Sample ID and Description 1A 0109-53 MILLER PROTECT WATER 32A F		10. Sampling Date: 1/27 Time: 8:00 11. Comp. Grab 12. Matrix Water Soil Sludge Oil Air Other		18. REMARKS		19. RELINQUISHED BY 1.  2.  3. 	
20. RECEIVED BY 		DATE: 1/27 TIME: 10:00		21. RECEIVED BY LABORATORY 		DATE: 1/27/08 TIME: 10:00	
22. KNOWN HAZARDS/COMMENTS Temperature: 23.6 °C Intact: (Y) or (N) Initials: Jai		*Containers: VOA - 40 ml vial 4 oz/8 oz - glass wide mouth A/G - Amber/Glass 1 Liter P/O - Plastic/other		**Preservatives: C - Cool H - HCl N - HNO ₃ S - H ₂ SO ₄ OH - NaOH T - Na ₂ S ₂ O ₃ X - Other		A&B cannot accept verbal changes Please FAX written changes to 713-453-6091 Samples will be disposed of after 30 days A&B reserves the right to return samples	
METHOD OF SHIPMENT		BILL OF LADING/TRACKING #		LAB USE ONLY SAMPLING _____ RENTAL _____ P/U _____			



Sample Condition Checklist

Date : 02/03/09

A&B JobID : 09010535		Date Received : 01/27/2009		Time Received : 10:00AM								
Client Name : CES Environmental												
Temperature : 23.6°C		Sample pH : N/A										
	Check Points				Yes	No						
1.	Cooler seal present and signed.				N/A							
2.	Sample(s) in a cooler.				X							
3.	If yes, ice in cooler.				X							
4.	Sample(s) received with chain-of-custody.				X							
5.	C-O-C signed and dated.				X							
6.	Sample(s) received with signed sample custody seal.				N/A							
7.	Sample containers arrived intact. (If no comment).				X							
8.	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Sample(s) were received in appropriate container(s).				X							
10.	Sample(s) were received with proper preservative											
11.	All samples were logged or labeled.				X							
12.	Sample ID labels match C-O-C ID's				X							
13.	Bottle count on C-O-C matches bottles found.				X							
14.	Sample volume is sufficient for analyses requested.				X							
15.	Samples were received within the hold time.				X							
16.	VOA vials completely filled.				N/A							
17.	Sample accepted.				X							
Comments : Include actions taken to resolve discrepancies/problem:												
Sample cooling initiated in the field. The sample is not sufficient for all the analysis. Client brought in 6 additional liters of sample. 1/28/09 kei. Sample collection date & time is taken from the sample for login purpose.												

Received by : Kisom

Check in by/date : Kisom / 01/27/2009

126th Greens Beyond Pipe Mill, LP
Profile# 1264



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1264

Customer: Greens Bayou Pipe Mill, LP

Waste Generator: Greens Bayou Pipe Mill, LP

Waste Stream Name: Recyclable Hydrocarbon and Water Mixture

Expiration Date: 12/10/2006

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Michael D Schroeder
Customer Name

M. D. Schroeder
Signature

Greens Bayou Pipe Mill / General Mgr.
Company / Title

12/12/07
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

PAT



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1264

Customer: Greens Bayou Pipe Mill, LP

Waste Generator: Greens Bayou Pipe Mill, LP

Waste Stream Name: Recyclable Hydrocarbon and Water Mixture

Expiration Date: 12/10/2006

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Michael D Schroeder
Customer Name

M. D. Schroeder
Signature

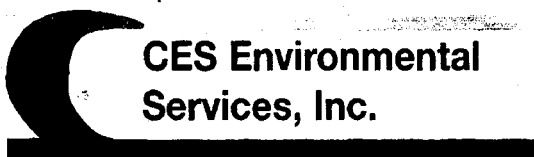
Greens Bayou Pipe Mill / General Mgr.
Company / Title

12/17/07
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

PRT

FAXED
12/17/07
2:08pm



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

DB
Pan
Bourch

Waste Pre-Acceptance/Approval Letter

Date 12/13/2005

Dear **Michael Schroeder**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1264

Generator: Greens Bayou Pipe Mill, LP
Address: 13935 Industrial Road
Houston, TX 77015

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Mixture of hydrocarbons and water generated from operations

Color: Clear / brown

Odor: Hydrocarbon

pH: 3-12

Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000834



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Greens Bayou Pipe Mill, LP
Address : 13935 Industrial Road
City, State, Zip : Houston TX 77015
Contact : Michael Schroeder Title :
Phone No : (713) 450-8883 Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Greens Bayou Pipe Mill, LP
Address : 13935 Industrial Road
City, State, Zip : Houston TX 77015
Contact : Michael Schroeder Title :
Phone No : (713) 450-8883 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Recyclable Hydrocarbon and Water Mixture

Detailed Description of Process Generating Waste:

Mixture of hydrocarbons and water generated from operations

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Clear / brown Odor : Hydrocarbon

Specific Gravity (Water=1) : .9-1 Density : 8 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size :

Number Of Units : 1

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : UN/NA : PG : RQ :

Flash Point >140	pH 3-12	Reactive Sulfides na mg/l	Reactive Cyanides na mg/l	Solids 0 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Diesel fuel		10-20	%
Oil		0-10	%
Water		70-80	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒


SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 12/10/2005

Printed Name / Title : Recycle / No signature required

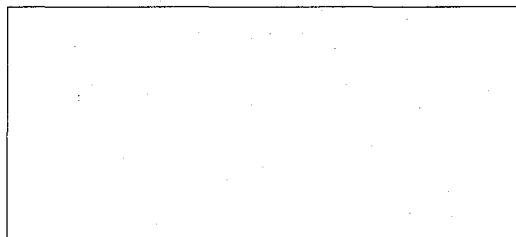
CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : 
Prabhakar Thangudu

Date : 12/10/2005 Status : Approved Rejected

Approval Number : 1264

Additional Information



SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1264

Generator: GREENS BAYOU PAPER MILL

Address: 13935 INDUSTRIAL RD.

Name of Waste: RECYCLABLE HYDROCARBON + WATER

TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: OXIDIZERS

Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

■ Color of Sample: BROWN

■ Physical Appearance

Liquid X

Solid _____

Multiphase Liquid _____

Solid _____

Sludge _____

Describe: _____

■ Matches description from the waste profile:

☒ YES

☐ NO

■ Matches general composition from the waste profile:

☒ YES

☐ NO

■ pH of liquid (water phase): 7.6

■ Odor: OILY

■ Compatible with proposed mix material:

☒ YES

☐ NO

(EPA-600/2-80-076 review if applicable)

■ Drum process code(s) assigned (see list): _____

■ Bulk process code assigned (see list): _____

Bulk tank assigned: T-5

Shipment Information

Job Confirmation Number: POSS -

Waste Manifest Number: 16555 - BOL

Date of Shipment: 12/12/05

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 760 GAL

Analyst/Sampler: [Signature]

Date: 12/12/05



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear Michael Schroeder

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1264

Expiration Date 12/10/2009

Generator: Greens Bayou Pipe Mill, LP

Address: 13935 Industrial Road
Houston, TX 77015

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Mixture of hydrocarbons and water generated from operations

Color: Clear / brown

Odor: Hydrocarbon

pH: 3-12

Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000840



4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Greens Bayou Pipe Mill, LP
Address : 13935 Industrial Road 13935 Industrial Road
City, State, Zip : Houston TX 77015
Contact : Michael Schroeder Title :
Phone No : (713) 450-8883 Fax :
24 / HR Phone :
U.S EPA I.D No : TXR000083917
State I.D : 86876 SIC Code

SECTION 2: Billing Information

Company : Greens Bayou Pipe Mill, LP
Address : 13935 Industrial Road 13935 Industrial Road
City, State, Zip : Houston TX 77015
Contact : Michael Schroeder Title :
Phone No : (713) 450-8883 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Recyclable Hydrocarbon and Water Mixture

Detailed Description of the Process Generating Waste:

Mixture of hydrocarbons and water generated from operations

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Clear / brown Odor : Hydrocarbon
Specific Gravity (Water=1) : .9-1 Density : 8 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 5000

Number Of Units : 1

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(a) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : _____ Recycle _____

Proper U.S. State Waste Code No : _____ Non-RCRA/Non-DOT Regulated Material

Class : _____ UN/NA : _____ PG : _____ RQ : _____

Flash Point >140	pH 3-12	Reactive Sulfides na mg/l	Reactive Cyanides na mg/l	Solids 0 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Diesel fuel		10-20	%
Oil		0-10	%
Water		70-80	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : X
TCLP Volatiles : X
TCLP Semi-Volatiles : X
Reactivity : X

Ignitability :

X

SECTION 9: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory☐ Oils Subcategory☐ Organics Subcategory**SECTION 10: Additional Instruction**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : *H. W. Schroeder*Date : 12/10/2005Printed Name / Title : Recycle / No signature required**CES USE ONLY (DO NOT WRITE IN THIS SPACE)**Compliance Officer : Prabhakar ThanguduDate : 12/10/2007Status : Approved

Rejected

Approval Number : 1264**Process Facility Information :**Trans \$650/load
.35/gal after 650 Gals

National Oil well 1271
Prof# 1271



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 12/14/2005

Dear **Larry Black**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1271

Generator: National Oil Well (Monoflo)

Address: 16503 Park Row
Houston, TX 77084

Waste Information

Name of Waste: RCRA Empty Containers

TCEQ Waste Code #: Recycle

Container Type: Drum

Detailed Description of Process Generating Waste:

Empty product containers

Color: various

Odor: none

pH: Neutral

Physical State: Solid

Incompatibilities: none

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : National Oil Well (Monoflo)
Address : 16503 Park Row
City, State, Zip : Houston TX 77084
Contact : Larry Black Title :
Phone No : (281) 599-4731 Fax : (281) 599-4733
24 / HR Phone :
U.S EPA I.D No : TXD988086831
State I.D : 20375 SIC Code

SECTION 2: Billing Information

Company : National Oil Well (Monoflo)
Address : 16503 Park Row
City, State, Zip : Houston TX 77084
Contact : Larry Black Title :
Phone No : (281) 599-4731 Fax : (281) 599-4733

SECTION 3: General Description of the Waste

Name of Waste : RCRA Empty Containers

Detailed Description of Process Generating Waste:

Empty product containers

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : various Odor : none

Specific Gravity (Water=1) : 1.5-2 Density : 12 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 10

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : UN/NA : PG : RQ :

Flash Point >200	pH Neutral	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 100 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Plastic drums		50-100	%
Metal drums		0-50	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 12/14/2005

Printed Name / Title : Gary Brauckman / Gary Brauckman, Agent

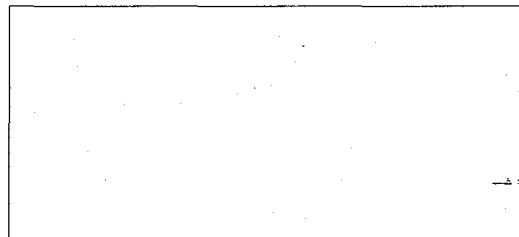
CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : 
Prabhakar Thangudu

Date : 12/14/2005 Status : Approved Rejected

Approval Number : 4271

Additional Information



SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

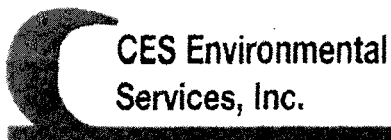
☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1271

Customer: NOV Monoflo

Waste Generator: NOV Monoflo

Waste Stream Name: RCRA Empty Containers

Expiration Date: 12/14/2008



As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please send new profile as waste stream has changed.

The following analysis is required for recertification. Please submit results of the following tests.

Customer Name

Signature

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

Company / Title

Date

3-30-09

1274 Houston Grinding & Mfg
Profile# 1274



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 12/15/2005

Dear **James Lattimer**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1274

Generator: Houston Grinding and Mfg.
Address: 3544 W. 12th
Houston, TX 77008

Waste Information

Name of Waste: Coolant / Oil and Water

TCEQ Waste Code #: Recycle

Container Type: Truck

Detailed Description of Process Generating Waste:

From metal cutting and metal work

Color: Brown / Milky

Odor: Oil like

pH: Neutral

Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000853



**CES Environmental
Services, Inc.**

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Generator Information

Company : Houston Grinding and Mfg.

Address : 3544 W. 12th

City, State, Zip : Houston TX 77008

Contact : James Lattimer

Title :

Phone No : (713) 869-3573

Fax : (713) 869-2660

24 / HR Phone :

U.S EPA I.D No : TXCESQG

State I.D : CESQG

SIC Code

SECTION 2: Billing Information

Company : Houston Grinding and Mfg.

Address : 3544 W. 12th

City, State, Zip : Houston TX 77008

Contact : James Lattimer

Title :

Phone No : (713) 869-3573

Fax : (713) 869-2660

SECTION 3: General Description of the Waste

Name of Waste : Coolant / Oil and Water

Detailed Description of Process Generating Waste:

From metal cutting and metal work

Physical State :

☒ Liquid

☐ Sludge

☐ Powder

☐ Solid

☐ Filter Cake

☐ Combination

Color :

Brown / Milky

Odor :

Oil like

Specific Gravity (Water=1) :

.9-1

Density :

8

lbs / gal

Layers :

☐ Single-Phas

☒ Multi-Phase

Container Type :

☐

Drum

☐

Tote

☒

Truck

☐

Other (explain)

Container Size :

2000

Number Of Units :

1

Texas State Waste Code No :

Recycle

Proper U.S. State Waste Code No :

Non-RCRA/Non-DOT Regulated Material

Class :

UN/NA :

PG :

RQ :

Flash Point >200	pH Neutral	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 0-5 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Hydraulic oil		20-60	%
Machine coolant		20-60	%
Machine oil		20-60	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Chloride test

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

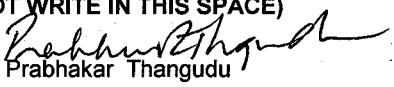
The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____

Date : 12/15/2005

Printed Name / Title : James Lattimer / James Lattimer, Ops. Mgr.

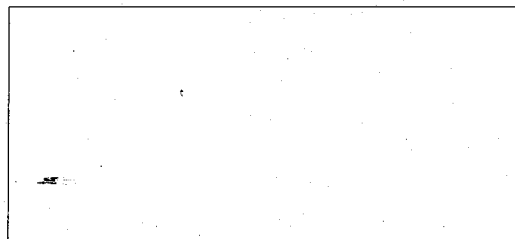
CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : 
Prabhakar Thangudu

Date : 12/15/2005 Status : ☒ Approved ☐ Rejected

Approval Number : 1274

Additional Information



SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

NOV-21-2008(FRI) 14:37
Rx Date/Time NOV-21-2008(FRI) 14:23
NOV-21-2008 13:18 CES ENVIROMENTAL

7137488664

JR+GB

P. 002/002

P. 002

7137488664

P. 002



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1274

Customer: Houston Grinding and Mfg.

Waste Generator: Houston Grinding and Mfg.

Waste Stream Name: Coolant / Oil and Water

Expiration Date: 12/15/2008

yes

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

JAMES LATTINER
Customer Name

[Signature]
Signature

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Houston Grinding + Mfg / Dir of Operations
Company / Title

11/21/08
Date

✓

Ameriforge Corporation 1281
Profile # 1281

7E
T-36
8-4-09
LAB.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Ameriforge Corporation
Address : 13770 Industrial Rd.
City, State, Zip : Houston TX 77015
Contact : Pat Mickley Title :
Phone No : (713) 393-4369 Fax : 713-393-4329
24 / HR Phone :
U.S EPA I.D No : TXR000026690
State I.D : 82538 SIC Code

SECTION 2: Billing Information

Company : Ameriforge Corporation
Address : 13770 Industrial Rd.
City, State, Zip : Houston TX 77015
Contact : Pat Mickley Title :
Phone No : (713) 393-4369 Fax : 713-393-4329

SECTION 3: General Description of the Waste

Name of Waste : Non-RCRA Waste Sludge and Slag

Detailed Description of Process Generating Waste:

Dirt, oil, slag, and iron from remediation of petroleum contaminated soils.

Physical State : ☐ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Brown Odor : Oil like

Specific Gravity (Water=1) : 1.5-1.8 Density : 14 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 15 yd

Number Of Units : 5

Texas State Waste Code No : 00076031

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : UN/NA : PG : RQ :

Flash Point >200	pH Neutral	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 85-90 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc BRL mg/l	Copper BRL mg/l	Nickel BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Dirt	85-90	%
TPH contaminated slag	10-15	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : See analytical

TCLP Volatiles : See analytical

TCLP Semi-Volatiles : See analytical

Reactivity : See analytical

Corrosivity : See analytical

Ignitability : See analytical

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : *Antonio J. [Signature]*

Date : 1-3-06

Printed Name / Title : _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : *Robb [Signature]*

Date : 1-3-06

Status :

Approved

Rejected

Approval Number :

1281

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

COPY

Invoice

Date	Invoice #
12/23/2005	21058

Bill To: Ameri-Forge Corporation
Attn: Accts Payable
13770 Industrial Road
Houston, TX 77015

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	Fee for sampling, delivery, and analyticals of Oil, Dirt, Slag & Iron Composite on 10/20/05		607.50	607.50

We appreciate your business!

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 6%, unless otherwise stated in a formalized contract.

Subtotal \$607.50

Sales Tax (8.25%) \$0.00

Total \$607.50

**ENVIRON EXPRESS LABORATORIES, INC.**

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO: 51214.01**1 of 1**

Customer: CES Env. Svcs.
Project ID: Ameriforge
Project Loc: 13770 Industrial Rd, Hou., TX
Charge/P.O.:

Sample ID: Oil, Dirt, Slag &
Iron Composite
Matrix:
Type:
RECEIVED BASIS

Environ ID: 51214.01
Sampled: 10-18-05
Received: 10-20-05
Reported: 10-31-05

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BENZENE - TCLP								
Benzene	< 0.001	mg/l	0.500	0.001	SW846.1311	MN	10-20-05	
TOT. PET. HYDROCARBON					SW846.8021B	DMB	10-24-05	11:08
GRO (Gasoline Range)	< 2,500	mg/kg	--	2,500	TCEQ 1005.03	DMB	10-24-05	21:05
DRO (Diesel Range)	8,775	mg/kg	--	2,500	TCEQ 1005.03	DMB	10-24-05	21:05
ORO (Oil Range)	12,370	mg/kg	--	2,500	TCEQ 1005.03	DMB	10-24-05	21:05
TOTAL TPH	21,145	mg/kg	--	2,500			10-24-05	21:05
RCI								
Reactive Cyanide	< 20	mg/kg	250	20	EPA SW846.7.3.3	DB	10-21-05	8:20
Reactive Sulfide	< 20	mg/kg	500	20	EPA SW846.7.3.4	DB	10-21-05	8:20
Corrosivity (Ph)	7.71	su	=>2; =<12.5	--	SW846.9045C	MN	10-21-05	10:30
Ignitability	> 200	°F	> 140	--	SW846.1010	DB	10-21-05	11:45
METALS (RCRA) - TCLP					SW846.1311	MN	10-20-05	
Arsenic	< 0.02	mg/l	5.0	0.02	SW846.6010B	DCW	10-26-05	11:24
Barium	0.66	mg/l	100	0.02	SW846.6010B	DCW	10-26-05	11:24
Cadmium	< 0.02	mg/l	1.0	0.02	SW846.6010B	DCW	10-26-05	11:24
Chromium	< 0.02	mg/l	5.0	0.02	SW846.6010B	DCW	10-26-05	11:24
Lead	< 0.015	mg/l	5.0	0.015	SW846.6010B	DCW	10-26-05	11:24
Selenium	< 0.05	mg/l	1.0	0.05	SW846.6010B	DCW	10-26-05	11:24
Silver	< 0.05	mg/l	5.0	0.05	SW846.6010B	DCW	10-26-05	11:24
Mercury	< 0.002	mg/l	0.20	0.002	SW846.7470A	MN	10-24-05	09:00
METALS - TOTAL								
Antimony	0.95	mg/kg	--	0.08	SW846.6010B	DCW	10-28-05	19:53
Arsenic	4.33	mg/kg	--	0.23	SW846.6010B	DCW	10-28-05	19:53
Barium	19.7	mg/kg	--	0.08	SW846.6010B	DCW	10-28-05	19:53
Beryllium	0.82	mg/kg	--	0.05	SW846.6010B	DCW	10-28-05	19:53
Cadmium	0.07	mg/kg	--	0.03	SW846.6010B	DCW	10-28-05	19:53
Chromium	18.0	mg/kg	--	0.03	SW846.6010B	DCW	10-28-05	19:53
Lead	5.37	mg/kg	--	0.08	SW846.6010B	DCW	10-28-05	19:53
Nickel	31.00	mg/kg	--	0.05	SW846.6010B	DCW	10-28-05	19:53
Selenium	0.80	mg/kg	--	0.40	SW846.6010B	DCW	10-28-05	19:53
Silver	0.17	mg/kg	--	0.10	SW846.6010B	DCW	10-28-05	19:53
Vanadium	2.75	mg/kg	--	0.03	SW846.6010B	DCW	10-28-05	19:53
Mercury	< 0.03	mg/kg	--	0.03	SW846.7470A	MN	10-28-05	11:00

Definitions: TCLP - Toxicity Characteristic Leaching Procedure su - Standard Units
REG - Regulatory Limit (User Should Confirm Lim TPH - Total petroleum Hydrocarbons
MQL - Method Quantitation Limit
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: BTEX	METHOD: EPA SW846/5030/8021B	MATRIX: LEACHATE
----------------	------------------------------	------------------

ANALYST: dmb	UNITS: mg/l	NO. SAMPLES: 12
--------------	-------------	-----------------

SAMPLES:	51180-01	51180-02	51180-03	51181-01	51185-01	51186-01	51189-02	51197-02
	51200-01	51214-01	51215-01	51215-02				

MATRIX 51215-01	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%)	
									REC-RANGE	RPD
BENZENE	0	100	110	110	109	2	118	0	60 - 120	20
TOLUENE	0	100	110	110	101	9	101	0	60 - 120	20
Et-BENZENE	0	100	102	102	101	1	107	0	60 - 120	20
XYLENES	0	300	296	99	100	1	93	0	60 - 120	20
MTBE	0	100	83	83	95	14	99	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL)
 Ethylbenzene (ETBZ), Xylenes (XYLS)
 MTBE - Methyl-tert-butyl ether
 CCV - Continuing Calibration Verification
 MB - Method Blank
 MS - Matrix Spike
 MSD - Matrix Spike Duplicate
 RPD - Relative Percent Difference
 REC - Recovery Percent


 JOHN KELLER, Ph.D.
 Lab. Dir./QA-QC Mgr.

11/2/05
 DATE

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: TPH METHOD: TNRCC 1005.3

ANALYST: dmb MATRIX: SOIL UNITS: mg/kg SAMPLES: 15

SAMPLES:	51194-01	51195-01	51197-01	51197-02	51197-03	51197-04	51197-05
	51200-01	51190-01	51212-01	51214-01	51215-01	51215-02	51215-03
	51215-04						

SAMPLE	MB mg/kg	CCV REC	LCS REC	MS REC	MSD REC	MS-MSD RPD	QC LIMITS	
							REC	RPD
51197-02								
GRO RESULT	<50	105	93	101	94	6	70 - 130	30
DRO RESULT	<50	106	111	105	108	3	70 - 130	30

John Keller

JOHN KELLER, Ph.D, Lab.Dir./QA-QC Mgr. 10/21/05
DATE

KEY: TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
CCV - Continuing Calibration Verification
MB - Method Blank
LCS - Laboratory Control Sample
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative % Difference
REC - Recovery %

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: METALS METHOD: EPA SW846/6010 MATRIX: LIQUID

ANALYST: DB DATE: 10.19.05 UNITS: PPM (mg/l) NO. SAMPLES: 3

SAMPLES:	51182.01	51182.02	51214.01					

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 50952.02

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF. %	CONT. CALIB.	METHOD BLANK	QC LIMITS	
									RECOV.	DIFF.
Arsenic	0.00	5	5.01	100	100	0	100	0	75 - 125	20
Barium	0.00	5	5.08	102	101	1	100	0	75 - 125	20
Cadmium	0.00	5	5.04	101	101	0	100	0	75 - 125	20
Chromium	0.00	5	5.08	102	101	0	100	0	75 - 125	20
Lead	0.00	5	5.04	101	101	0	99	0	75 - 125	20
Selenium	0.00	5	4.82	96	95	1	100	0	75 - 125	20
Silver	0.00	5	5.09	102	101	1	102	0	75 - 125	20

John Keller
 JOHN KELLER, Ph.D
 Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

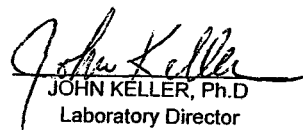
ANALYSIS: MERCURY | METHOD: EPA SW846/7471A | MATRIX: TCLP Fluid #1

ANALYSTS: MN | DATE: 10.24.05 | UNITS: mg/l | NO. SAMPLES: 11

SAMPLES:	51213.01	51214.01	51215.01	51215.02	51215.03	51215.04	51216.01	51212.01
	51220.01	51218.01	51215.04					

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Fluid #1	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF	QC LIMITS	
										RECOV.	DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	100	0	1	60 - 120	20


JOHN KELLER, Ph.D
Laboratory Director



CHAIN OF CUSTODY

713-292-3458

Juni p.m.

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: ERICA BOGAN	Invoice To: SAME	TAT (WORKING DAYS) CIRCLE ONE 1 2 3 5	
Company: CES ENVIRON. SERVICES	Company:	LAB LOT #	COC Present? Yes No
Address: 4904 DELGADO RD	Address:	Shipment Sealed? Yes No	Samples Sealed? Yes No
City: HOUSTON TX State: Zip: 77021	City: State: Zip:	Received on Ice? Yes No	Samples Intact? Yes No
Phone: 713-676-1460	Phone:	Cooler Temp. (°C) 2°C	Preservative Shown? Yes No NA
Fax: 713-676-1676	Fax:	Hold Time OK? Yes No	Res. Cl2 Check OK? Yes No NA
e-Mail:	PO#: Quote#:	pH Check OK? Yes No NA	COC & Labels Agree? Yes No

Project Name: AMERIFORCE	Sampler Remarks:
Project Location: 13770 INDUSTRIAL RD	
Project No: 13770	
Sampler (Print): ERICA BOGAN	
Sampler (Sign): <i>Erica Bogan</i>	

Cntr. Type											
Number											
Volume											
Preservative											
MATRIX	(C)OMP / (G)RAB	BTEX (8021)	TPH (TX1005)	RCI	PAH	VOLATILES	SEMI-VOLS	PCRA 8 METALS	TOTAL EPA TOCP		
									RCI	13 BENZENE	
5124.01	1) OIL, DIRT, SLAG?		X					X	X	X	
	2) IRON COMPOSITE										
	3)										
	4)										
	5)										
	6)										
	7)										
	8)										
	9)										
	10)										

Remarks & Additional Analyses
* TOTAL METALS ADDED (12) TECP METALS added (4)

Relinquished By: <i>Erica Bogan</i>	Company: CES ENVIRON. SERVICES	Date/Time: 10/20/05 1:00	Received By: <i>Gladys Kella</i>	Company: Environ
Relinquished By:	Company:	Date/Time:	Received By:	Company:
Relinquished By:	Company:	Date/Time:	Received By:	Company:

Matrix Key S: Soil W: Water WW: Waste Water SL: Sludge SO: Solid SE: Sediment L: Leachate WI: Wipe OR: Organic OL: Oil DS: Drum Solid DL: Drum Liquid O: Other				
Container Type Key P: Plastic G: Glass V: VOA Glass O: Other			Preservative Key 1: Ice (<4°C) 2: HCL 3: H2SO4 4: HNO3 5: NaOH 6: NaOH+Zn Acetate 7: Na2S2O3 8: None	

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

EPAHQ112000871



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1281

Generator: AMERIFORGE CORP.

Address: 13770 INDUSTRIAL

Name of Waste: WASTE SLUDGE + SLAG

TCEQ Waste Code Number: 00076031

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

▪ Color of Sample: BROWN

▪ Physical Appearance

Liquid _____ Solid _____

Multiphase Liquid _____ Solid _____

Sludge X

Describe: _____

- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
(EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 17270

Waste Manifest Number: 3957059

Date of Shipment: 01/07/06

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 2 DRUMS

Analyst/Sampler: AG

Date: 01/07/06



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1281

Customer: Ameriforge Corporation

Waste Generator: Ameriforge Corporation

Waste Stream Name: Non-RCRA Waste Sludge and Slag

Expiration Date: 1/3/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

Please send new profile as waste stream has changed.

The following analysis is required for recertification. Please submit results of the following tests.

Rodolfo Rosas
Customer Name

[Signature]
Signature

Ameriforge/HSE
Company / Title

3-26-09
Date

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

RCRA 8 metals, solids
BTX

Texmark Chemicals, Inc 1288
Profile # 1288

3-3-08 reviewed need changes

ature

No signature



No. 10341

smead.com - Made in USA

Made with
Cull-Resistant Paper



Gary Peterson

From: Gary Peterson
Sent: Monday, March 03, 2008 10:22 AM
To: Al Longoria; Morgan McCarley; Dan Bowman
Cc: Bo Cumberland; Marlin Moser; Prabhaker Thangudu
Subject: Recertification

Texmark is coming in today. Profile 1288 needs recertification. The material is a biosludge. One correction on the profile is the waste needs to be a liquid and solid combination. Also the material should be a multiphase. The profile lists reactive cyanides as < 20 ppm. This is too high. The reactive cyanides needs to be less than 2 ppm. This is our permit limit. All else looks good.

Houston & Plating is here. Profile 1166 needs recertification. The profile lists some metals but the zinc is blank. Zinc needs to be declared. The physical state is not declared. The sample today has 2% solids. The material is a combination of liquid and solids. The profile states analytical supporting documents includes a TCLP. There is not any analytical documents in the folder. All else looks good.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/9/2006

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1288

Generator: Texmark Chemicals, Inc.
Address: 900 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Biosludge

TCEQ Waste Code #: 00036072

Container Type: Truck

Detailed Description of Process Generating Waste:

Bio-solids from treatment of industrial wastewater

Color: Dark Brown

Odor: Slight

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Texmark Chemicals, Inc.

Address : 900 Clinton Drive

City, State, Zip : Galena Park TX 77547

Contact : Linda Salinas

Title : EH&S Manager

Phone No : (713) 455-1206

Fax : 713-455-8959

24 / HR Phone : (713) 455-1206

U.S EPA I.D No : TXD088363692

State I.D : 30654

SIC Code N/A

SECTION 2: Billing Information

Company : Texmark Chemicals, Inc.

Address : 900 Clinton Drive

City, State, Zip : Galena Park TX 77547

Contact : Linda Salinas

Title : EH&S Manager

Phone No : (713) 455-1206

Fax : 713-455-8959

SECTION 3: General Description of the Waste

Name of Waste : Biosludge

Detailed Description of Process Generating Waste:

Bio-solids from treatment of industrial wastewater

Physical State : ☒ Liquid

☐ Sludge

☐ Powder

☐ Solid

☐ Filter Cake

☐ Combination

Color : Dark Brown

Odor : Slight

Specific Gravity (Water=1) : 1

Density : 8.34 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 130 bbl

Number Of Units : 5

Texas State Waste Code No : 00036072

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated biosludge

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 2-4 %
Oil and Grease <1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
	Bio-solids	2-4	%
	Water	93-96	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits
TCLP Volatiles : TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits
Reactivity : No reactive materials are present
Corrosivity : pH is neutral
Ignitability : No ignitable materials are present

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 1/4/2006

Printed Name / Title : Linda Salinas / EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : *[Signature]*

Date : 2/9/2006 Status : Approved Rejected

Approval Number : 1288

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☒ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/9/2006

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1288

Generator: Texmark Chemicals, Inc.
Address: 900 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Biosludge

TCEQ Waste Code #: 00036072

Container Type: Truck

Detailed Description of Process Generating Waste:

Bio-solids from treatment of industrial wastewater

Color: Dark Brown

Odor: Slight

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000882



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

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City, State, Zip : Galena Park TX 77547

Contact : Linda Salinas

Title : EH&S Manager

Phone No : (713) 455-1206

Fax : 713-455-8959

24 / HR Phone : (713) 455-1206

U.S EPA I.D No : TXD088363692

State I.D : 30654

SIC Code N/A

SECTION 2: Billing Information

Company : Texmark Chemicals, Inc.

Address : 900 Clinton Drive

City, State, Zip : Galena Park TX 77547

Contact : Linda Salinas

Title : EH&S Manager

Phone No : (713) 455-1206

Fax : 713-455-8959

SECTION 3: General Description of the Waste

Name of Waste : Biosludge

Detailed Description of Process Generating Waste:

Bio-solids from treatment of industrial wastewater

Physical State : ☒ Liquid

☐ Sludge

☐ Powder

☐ Solid

☐ Filter Cake

☐ Combination

Color : Dark Brown

Odor : Slight

Specific Gravity (Water=1) : 1

Density : 8.34 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 130 bbl

Number Of Units : 5

Texas State Waste Code No : 00036072

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated biosludge

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 2-4 %
Oil and Grease <1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1288

Customer: Texmark Chemicals, Inc.

Waste Generator: Texmark Chemicals, Inc.

Waste Stream Name: Biosludge

Expiration Date: 2/9/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

X
Customer Name

X
Signature

X
Company / Title

P
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Laboratory Analysis Report

Total Number of Pages: 6

Job ID : 98454



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project ID : Bio Sludge Profile - Digester

Report To :	Client Name: Texmark Chemicals, Inc	P.O.#.: TX-15429
	Attn: Linda Salinas	Sample Collected By:
	Client Address: P.O. Box 67	Date Collected: 05/15/08
	City, State, Zip: Galena Park, Texas, 77547	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Digester Bio Sludge	Sludge	98454.01

Sonia West

Released By: Sonia West
Title: Senior Project Manager
Date: 5/22/2008



This Laboratory is NELAP (T104704213-07-TX) accredited. Effective: 07/01/07; Expires: 06/30/08

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Additional analyses to report dated May 19, 2008.

Date Received : 05/15/2008 11:10

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 98454

Date: 5/22/2008

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

M2	Matrix Spike/Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference.
----	---

**LABORATORY TEST RESULTS**

Job ID : 98454

Date 5/22/2008

Client Name: Texmark Chemicals, Inc
Project ID: Bio Sludge Profile - Digester

Attn: Linda Salinas

Client Sample ID: Digester Bio Sludge
Date Collected: 05/15/08
Time Collected:
Other Information:

Job Sample ID: 98454.01
Sample Matrix: Sludge

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	Total Metals								
	Antimony	0.782	mg/Kg	1	0.5			05/21/08 11:59	RB
	Beryllium	BRL	mg/Kg	1	0.5			05/21/08 11:59	RB
	Nickel	6.31	mg/Kg	1	0.5			05/21/08 11:59	RB

QUALITY CONTROL CERTIFICATE



Job ID : 98454

Date : 5/22/2008

Analysis : Total Metals		Method : SW-846 6010C	Reporting Units : mg/Kg
QC Batch ID : Qb08052101	Created Date : 05/20/08	Created By : Rbairamadgi	
Samples in This QC Batch : 98454.01			
Digestion : PB08052101	Prep Method : SW-846 3050B	Prep Date : 05/20/08 17:00	Prep By : Rbairamadgi

QC Type: Method Blank							
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Antimony	7440-36-0	BRL	mg/Kg	1	0.5		
Beryllium	7440-41-7	BRL	mg/Kg	1	0.5		
Nickel	7440-02-0	BRL	mg/Kg	1	0.5		

QC Type: LCS and LCSD										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	25	25.1	100						80-120	
Beryllium	25	25.1	100						80-120	
Nickel	25	25.3	101						80-120	

QC Type: MS and MSD											
QC Sample ID: 98484.05											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony	7.80	25	20.2	49.6	25	20.8	52	4.72	20	70-130	M2
Beryllium	BRL	25	25.7	103	25	26.5	106	3.07	20	70-130	
Nickel	8.26	25	31.3	92.2	25	33.1	99.4	5.59	20	70-130	

Additional analyses to report dated May 19, 2008.

Refer to the Definition page for terms.

A & B Environmental Services, Inc.
10100 East Freeway, Suite 100
Houston, TX 77029
713-453-6060 Fax 713-453-6091



Page 1 of _____

~~Asbestos Bulk~~ Sample Chain-of-Custody

A&B Job ID: 98454

TAT (Check one):

Immediate (2-4 hour)

Rush (24 hour) X

Regular (3-5 working days)

Report to:

Invoice to:

Company:

Company:

TEX MARK

Address:

Address:

Contact:

Contact:

LINDA SALINAS

Phone:

Phone:

713-495-1229

Fax:

Fax:

713-495-1246

Email:

Email:

LSALINAS@TEXMARK.COM

PO#:

PX-15429

Project Name/##:
Sampler's Name &
Company:

Biosludge Profile - Digesters

Method of Shipment:

	Client Sample #	A&B Sx ID	Type	Location ANALYSES
1	Digester Biosludge	.01A/B		RCI, TCLP Metals
2		.01B.M.P.		Vol, Sem. Vol, BTEX
3				TPH
4				
5				
6				
7				
8				
9				
10				

Client Sample# is required. A&B Sx ID is assigned by the lab. Type and location are optional.

Relinquished by:	Date	Time	Received by:	Date:	Time
<u>Robert Delgado</u>	<u>5-15-08</u>	<u>11:10 AM</u>	<u>Maria Peraza</u>	<u>5/15/08</u>	<u>11:10 AM</u>

20.9°C



Sample Condition Checklist

Date : 05/22/08

A&B JobID : 98454	Date Received : 05/15/2008	Time Received : 11:10AM
Client Name : Texmark Chemicals, Inc		
Temperature : 20.9°C	Sample pH : N/A	
	Check Points	Yes No
1.	Cooler seal present and signed.	<input type="checkbox"/> <input checked="" type="checkbox"/>
2.	Sample(s) in a cooler.	<input type="checkbox"/> <input checked="" type="checkbox"/>
3.	If yes, ice in cooler.	<input type="checkbox"/> <input checked="" type="checkbox"/>
4.	Sample(s) received with chain-of-custody.	<input checked="" type="checkbox"/> <input type="checkbox"/>
5.	C-O-C signed and dated.	<input checked="" type="checkbox"/> <input type="checkbox"/>
6.	Sample(s) received with signed sample custody seal.	<input type="checkbox"/> <input checked="" type="checkbox"/>
7.	Sample containers arrived intact. (If no comment).	<input checked="" type="checkbox"/> <input type="checkbox"/>
8.	Matrix <input type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Liquid <input type="checkbox"/> Sludge <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Cassette <input type="checkbox"/> Tube <input type="checkbox"/> Bulk <input type="checkbox"/> Badge <input type="checkbox"/> Food <input type="checkbox"/> Other <input type="checkbox"/>	
9.	Sample(s) were received in appropriate container(s).	<input checked="" type="checkbox"/> <input type="checkbox"/>
10.	Sample(s) were received with proper preservative	<input type="checkbox"/> <input type="checkbox"/>
11.	All samples were logged or labeled.	<input checked="" type="checkbox"/> <input type="checkbox"/>
12.	Sample ID labels match C-O-C ID's	<input checked="" type="checkbox"/> <input type="checkbox"/>
13.	Bottle count on C-O-C matches bottles found.	<input checked="" type="checkbox"/> <input type="checkbox"/>
14.	Sample volume is sufficient for analyses requested.	<input checked="" type="checkbox"/> <input type="checkbox"/>
15.	Samples were received within the hold time.	<input checked="" type="checkbox"/> <input type="checkbox"/>
16.	VOA vials completely filled.	<input type="checkbox"/> <input checked="" type="checkbox"/>
17.	Sample accepted.	<input checked="" type="checkbox"/> <input type="checkbox"/>
Comments : Include actions taken to resolve discrepancies/problem:		

Received by : mperalta

Check in by/date : mperalta / 05/15/2008

Laboratory Analysis Report

Total Number of Pages:

Job ID : 98454



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project ID :
Bio Sludge Profile - Digester

Report To :	Client Name:	Texmark Chemicals, Inc	P.O.#.: TX-15429
	Attn:	Linda Salinas	Sample Collected By:
	Client Address:	P.O. Box 67	Date Collected:
	City, State, Zip:	Galena Park, Texas, 77547	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Digester Bio Sludge	Sludge	98454.01

Released By:

Title:

Date: 5/19/2008



This Laboratory is NELAP (T104704213-07-TX) accredited. Effective: 07/01/07; Expires: 06/30/08

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

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Date Received : 05/15/2008 11:10

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 98454

Date: 5/19/2008

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

S6 Surrogate recovery is outside control limits due to matrix effects.



LABORATORY TEST RESULTS

Job ID : 98454

Date 5/19/2008

Client Name: Texmark Chemicals, Inc

Attn: Linda Salinas

Project ID: Bio Sludge Profile - Digester

Client Sample ID: Digester Bio Sludge

Job Sample ID: 98454.01

Date Collected: 05/15/08

Sample Matrix: Sludge

Time Collected:

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				05/19/08 12:00	SG
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.1	5.0		05/19/08 12:17	RB
	Barium	0.33	mg/L	1	0.1	100.0		05/19/08 12:17	RB
	Cadmium	BRL	mg/L	1	0.1	1.0		05/19/08 12:17	RB
	Chromium	BRL	mg/L	1	0.1	5.0		05/19/08 12:17	RB
	Lead	BRL	mg/L	1	0.1	5.0		05/19/08 12:17	RB
	Selenium	BRL	mg/L	1	0.5	1.0		05/19/08 12:17	RB
	Silver	BRL	mg/L	1	0.1	5.0		05/19/08 12:17	RB
SW-846 7.3	Reactivity								
	Reactive Cyanide	BRL	mg/Kg	1	25			05/16/08 13:30	KS
SW-846 7.3	Reactivity								
	Reactive Sulfide	180	mg/Kg	1	25			05/16/08 08:45	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		05/16/08 16:56	BS
SW-846 8260B	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		05/16/08 11:41	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		05/16/08 11:41	HW
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		05/16/08 11:41	HW
	Benzene	BRL	mg/L	1	0.13	0.5		05/16/08 11:41	HW
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		05/16/08 11:41	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70		05/16/08 11:41	HW
	Chloroform	BRL	mg/L	1	0.13	6		05/16/08 11:41	HW
	MEK	BRL	mg/L	1	0.13	200		05/16/08 11:41	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		05/16/08 11:41	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		05/16/08 11:41	HW
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		05/16/08 11:41	HW
	1,2-Dichloroethane-d4(surr)	106	%	1	70-130			05/16/08 11:41	HW
	Dibromofluoromethane(surr)	101	%	1	70-130			05/16/08 11:41	HW
	p-Bromofluorobenzene(surr)	100	%	1	70-130			05/16/08 11:41	HW
	Toluene-d8(surr)	104	%	1	70-130			05/16/08 11:41	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	1	0.05	7.5		05/16/08 14:11	ML
	2,4,5-Trichlorophenol	BRL	mg/L	1	0.05	400		05/16/08 14:11	ML
	2,4,6-Trichlorophenol	BRL	mg/L	1	0.05	2		05/16/08 14:11	ML
	2,4-Dinitrotoluene	BRL	mg/L	1	0.05	0.13		05/16/08 14:11	ML
	2-Methylphenol	BRL	mg/L	1	0.05	200		05/16/08 14:11	ML
	3- & 4-Methylphenols	BRL	mg/L	1	0.05	200		05/16/08 14:11	ML



LABORATORY TEST RESULTS

Job ID : 98454

Date 5/19/2008

Client Name: Texmark Chemicals, Inc

Attn: Linda Salinas

Project ID: Bio Sludge Profile - Digester

Client Sample ID: Digester Bio Sludge

Job Sample ID: 98454.01

Date Collected: 05/15/08

Sample Matrix Sludge

Time Collected:

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Hexachlorobenzene	BRL	mg/L	1	0.05	0.13		05/16/08 14:11	ML
	Hexachlorobutadiene	BRL	mg/L	1	0.05	0.4		05/16/08 14:11	ML
	Hexachloroethane	BRL	mg/L	1	0.05	3		05/16/08 14:11	ML
	Nitrobenzene	BRL	mg/L	1	0.05	2		05/16/08 14:11	ML
	Pentachlorophenol	BRL	mg/L	1	1.25	100		05/16/08 14:11	ML
	Pyridine	BRL	mg/L	1	0.05	4		05/16/08 14:11	ML
	2,4,6-Tribromophenol(surr)	71.4	%	1	10-120			05/16/08 14:11	ML
	2-Fluorobiphenyl(surr)	56.1	%	1	30-115			05/16/08 14:11	ML
	2-Fluorophenol(surr)	48	%	1	20-115			05/16/08 14:11	ML
	Nitrobenzene-d5(surr)	56.9	%	1	20-120			05/16/08 14:11	ML
	Phenol-d6(surr)	51.2	%	1	15-120			05/16/08 14:11	ML
	p-Terphenyl-d14(surr)	62.8	%	1	30-140			05/16/08 14:11	ML
SW-846 9045D	Corrosivity, pH								
	pH	7.41	s.u.					05/16/08 11:35	SG
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12	BRL	mg/Kg	5	63.5			05/15/08 21:38	WS
	>C12-C28	811	mg/Kg	5	91			05/15/08 21:38	WS
	>C28-C35	412	mg/Kg	5	98			05/15/08 21:38	WS
	Total C6-C35	1223	mg/Kg	5				05/15/08 21:38	WS
	1-Chlorooctane(surr)	25	%	5	50-149		S6	05/15/08 21:38	WS
	Chlorooctadecane(surr)	85.4	%	5	50-149			05/15/08 21:38	WS

A & B Environmental Services, Inc.
10100 East Freeway, Suite 100
Houston, TX 77029
713-453-6060 Fax 713-453-6091



Page 1 of _____

~~Asbestos Bulk~~ Sample Chain-of-Custody

A&B Job ID: 98454

TAT (Check one): Immediate (2-4 hour) _____
Rush (24 hour) X
Regular (3-5 working days) _____

Report to:
Company: _____
Address: _____
Contact: _____
Phone: _____
Fax: _____
Email: _____

Invoice to:
Company: TEX MARK
Address: _____
Contact: LINDA SALINAS
Phone: 713-495-1229
Fax: 713-495-1246
Email: LSALINAS@TEXMARK.CO
PO#: TX-15429

Project Name/ #: Biosludge Profile - Digesters
Sampler's Name & Company: _____
Method of Shipment: _____

	Client Sample #	A&B Sx ID	Type	Location
1	<u>Digester Biosludge</u>	<u>.01A/B</u>		<u>ANALYSES</u>
2		<u>.01B.M.P.</u>		<u>RCI, TCLP METALS</u>
3				<u>VOL, SEMI VOL, BTEX</u>
4				<u>TPH</u>
5				
6				
7				
8				
9				
10				

Client Sample# is required. A&B Sx ID is assigned by the lab. Type and location are optional.

Relinquished by:	Date	Time	Received by:	Date:	Time
<u>Alfonso Delgado</u>	<u>5-15-08</u>	<u>11:10 AM</u>	<u>Maria Peraza</u>	<u>5/15/08</u>	<u>11:10 AM</u>

20.9°C



Sample Condition Checklist

Date : 05/19/08

A&B JobID : 98454		Date Received : 05/15/2008		Time Received : 11:10AM								
Client Name : Texmark Chemicals, Inc												
Temperature : 20.9°C		Sample pH : N/A										
	Check Points				Yes	No						
1.	Cooler seal present and signed.					X						
2.	Sample(s) in a cooler.					X						
3.	If yes, ice in cooler.					X						
4.	Sample(s) received with chain-of-custody.				X							
5.	C-O-C signed and dated.				X							
6.	Sample(s) received with signed sample custody seal.					X						
7.	Sample containers arrived intact. (If no comment).				X							
8.	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Sample(s) were received in appropriate container(s).					X						
10.	Sample(s) were received with proper preservative											
11.	All samples were logged or labeled.					X						
12.	Sample ID labels match C-O-C ID's					X						
13.	Bottle count on C-O-C matches bottles found.					X						
14.	Sample volume is sufficient for analyses requested.					X						
15.	Samples were received within the hold time.					X						
16.	VOA vials completely filled.					N/A						
17.	Sample accepted.					X						
Comments : Include actions taken to resolve discrepancies/problem:												

Received by : mperalta

Check in by/date : mperalta / 05/15/2008

MAY-13-2008 16:29

CES ENVIROMENTAL

7137488664

P.001/001



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1288Customer: Texmark Chemicals, Inc.Waste Generator: Texmark Chemicals, Inc.Waste Stream Name: BiosludgeExpiration Date: 2/9/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.☐ Analysis is NOT required for recertification.☐ Please send new profile as waste stream has changed.☐ The following analysis is required for recertification. Please submit results of the following tests.

LINDA SALINAS
Customer Name

[Signature]
Signature

TEXMARK / ENVIRONMENTAL MGR
Company / Title

5-13-08
Date

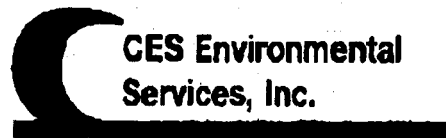
- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Total P.001

EPAHO112000897

Dana container 1289
Profile# 1289

MB



JP
Note: C.Y.C.
will format.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1289

Customer: Dana Container

Waste Generator: Dana Container

Waste Stream Name: Wastewater and Sludge

Expiration Date: 1/5/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Dana Container
Customer Name

[Signature]
Signature

Cleaning Facility Manager
Company / Title

1-22-07
Date

- ☒ TCLP Metals
- ☒ TCLP Volatiles
- ☒ TCLP Semi-volatiles
- ☒ Reactivity
- ☒ Corrosivity
- ☒ Ignitability

PRT

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536

Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

Attn: Ryan Thomas

- CERTIFICATE OF RESULTS -

MES Lab#: 8010583

Client Sample ID: 0108-47 Wastewater

DANA profile #1289

Sample Collect Date: 1/23/2008 @ 10:00:00 AM

Sample Receipt Date: 1/23/2008 @ 10:17:00 AM

Test Group / Method

TCLP Volatiles					Analyst: HDG
Method: SW-846 8260B					Date / Time
	MDL	RL	Result	Units	
Vinyl chloride	0.10	0.2	< 0.10	mg/L	1/23/2008 / 10:45 PM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	1/23/2008 / 10:45 PM
2-Butanone	0.50	200	< 0.50	mg/L	1/23/2008 / 10:45 PM
Chloroform	0.05	6	< 0.05	mg/L	1/23/2008 / 10:45 PM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
Benzene	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
Trichloroethene	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	1/23/2008 / 10:45 PM
Chlorobenzene	0.05	100	0.37	mg/L	1/23/2008 / 10:45 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
TCLP Sem-Volatiles					Analyst: TFR
Method: SW-846 8270C					Date / Time
	MDL	RL	Result	Units	
Pyridine	0.50	5	< 0.50	mg/L	1/26/2008 / 10:38 AM
1,4-Dichlorobenzene	0.50	7.5	< 0.50	mg/L	1/26/2008 / 10:38 AM
o-Cresol	0.50	200	< 0.50	mg/L	1/26/2008 / 10:38 AM
m+p-Cresol	0.50	200	< 0.50	mg/L	1/26/2008 / 10:38 AM
Hexachloroethane	0.50	3	< 0.50	mg/L	1/26/2008 / 10:38 AM
Nitrobenzene	0.50	2	< 0.50	mg/L	1/26/2008 / 10:38 AM
Hexachlorobutadiene	0.50	0.5	< 0.50	mg/L	1/26/2008 / 10:38 AM
2,4,6-Trichlorophenol	0.50	2	< 0.50	mg/L	1/26/2008 / 10:38 AM
2,4,5-Trichlorophenol	0.50	400	< 0.50	mg/L	1/26/2008 / 10:38 AM
2,4-Dinitrotoluene	0.50	0.13	< 0.50	mg/L	1/26/2008 / 10:38 AM
Hexachlorobenzene	0.50	0.13	< 0.50	mg/L	1/26/2008 / 10:38 AM
Pentachlorophenol	5.00	100	< 5.00	mg/L	1/26/2008 / 10:38 AM

- CERTIFICATE OF RESULTS -**MES Lab#:** 8010583**Client Sample ID:** 0108-47 Wastewater**Sample Collect Date:** 1/23/2008 @ 10:00:00 AM**Sample Receipt Date:** 1/23/2008 @ 10:17:00 AM

TCLP Metals (8)					Analyst: AM
Method: SW-846 6010B	MDL	RL	Result	Units	Date / Time
Arsenic	0.050	5	< 0.060	mg/L	1/28/2008 / 12:17 AM
Barium	0.002	100	0.122	mg/L	1/28/2008 / 12:17 AM
Cadmium	0.004	1	< 0.004	mg/L	1/28/2008 / 12:17 AM
Chromium	0.007	5	0.020	mg/L	1/28/2008 / 12:17 AM
Lead	0.010	5	< 0.010	mg/L	1/28/2008 / 12:17 AM
Selenium	0.050	1	< 0.050	mg/L	1/28/2008 / 12:17 AM
Silver	0.002	5	< 0.002	mg/L	1/28/2008 / 12:17 AM
TCLP Mercury					Analyst: AM
Method: SW-846 7470A	MDL	RL	Result	Units	Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	1/25/2008 / 10:22 PM
Reactivity, Recoverable Hydrogen Cyanide					Analyst: AB
Method: 7.3.3.2	MDL		Result	Units	Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	1/23/2008 / 11:39 AM
Reactivity, Recoverable Hydrogen Sulfide					Analyst: AB
Method: 7.3.4.2	MDL		Result	Units	Date / Time
Hydrogen Sulfide	0.25		< 0.25	mg/kg	1/23/2008 / 11:45 AM
Corrosivity: pH					Analyst: JE
Method: SW-846 9045	MDL		Result	Units	Date / Time
pH			9.86		1/23/2008 / 2:45 PM
Ignitability					Analyst: DEB
Method: SW-846 1010	MDL		Result	Units	Date / Time
Flashpoint			>150	deg F	1/23/2008 / 11:20 AM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit


Holland D. Gilmore, Laboratory Director

Monday, January 28, 2008

Date

8010583

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

SURROGATE SPIKE RECOVERY FOR VOLATILES**% REC**

Dibromofluoromethane	108.2
Toluene-d8	98.3
4-Bromofluorobenzene	112.2

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES**% REC**

2-Fluorophenol	42.6
Phenol-d6	44.1
Nitrobenzene-d5	43.2
2-Fluorobiphenyl	40.7
2,4,6-Tribromophenol	42.1
p-Terphenyl-d14	59.0

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	10	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	10	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	10	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	10	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	10	73.4	75.6	3.06

ANALYTE**STD**

Flashpoint 82°F

ANALYTE	BUFFER 7.0	ORIG	DUP
pH	7.0	9.64	9.64

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
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Reactivity as Hydrogen Sulfide < 0.25 < 0.25 0.00

8010583

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT CONTINUED**

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD	STD %REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	97

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery
ML=Minimum Level of Quantitation

Signature: 

Holland D. Gilmore / Laboratory Director

January 25, 2008

COMPANY NAME: (BILL TO:) CES ENVIRONMENTAL
COMPANY ADDRESS: 4904 GEORGE ROAD
CITY HOUSTON, STATE TX ZIP 77021
CONTACT PERSON'S NAME: RYAN THOMAS
CONTACT PERSON'S PHONE: (H3) 676-1460 FAX #: (H3) 676-1676

2	YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:

PROJECT ADDRESS: _____

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX
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0108-47 GUSTAWAAR	YES	10:00
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PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	REL (Sign
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METHOD OF PAYMENT		SHIPPED BY: (Signature)	COURIER (Signature)
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Sample Remainder Disposal			

8 ☐ Return Sample Remainder To Client Via _____ (Sign

MES

- CHAIN OF CUSTODY

1-800-771-4MES
(281) 476-4534

Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536

Fax (281)-476-4406

[illegible][illegible][illegible][illegible][illegible]

								mice
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ACQUISITION BY:	DATE	TIME	RECEIVED BY:
(Signature)	1/13	10:11	(Signature)

INQUIRED BY: (Name)	DATE	TIME	RECEIVED BY: (Signature)
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RECEIVED FOR DELIVERY		DATE	TIME
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(Signature)	153	10/17
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Request Lab To Dispose Of All Sample Reminders

Signature) _____ (Date) _____

Checked by Customer: _____

MB



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/5/2006

Dear Ruben Fernandez

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1289

Generator: Dana Container

Address: 902 Sens Rd
La Porte, TX 77571

Waste Information

Name of Waste: Wastewater and Sludge

TCEQ Waste Code #: 10001141

Container Type: Truck

Detailed Description of Process Generating Waste:

Wastewater generated from cleaning trailers

Color: Grey to Dark

Odor: Slight

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000905



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Dana Container
Address : 902 Sens Rd
City, State, Zip : La Porte TX 77571
Contact : Ruben Fernandez Title : Tankwash Manager
Phone No : (281) 471-4700 Fax : (281) 470-2570
24 / HR Phone : (281) 471-4700
U.S EPA I.D No : TXR000011155
State I.D : 41563 SIC Code

SECTION 2: Billing Information

Company : Dana Container
Address : 902 Sens Rd
City, State, Zip : La Porte TX 77571
Contact : Ruben Fernandez Title : Tankwash Manager
Phone No : (281) 471-4700 Fax : (281) 470-2570

SECTION 3: General Description of the Waste

Name of Waste : Wastewater and Sludge

Detailed Description of Process Generating Waste:

Wastewater generated from cleaning trailers

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Grey to Dark Odor : Slight

Specific Gravity (Water=1) : 1 Density : 8.34 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 130 bbl

Number Of Units : 5000

Texas State Waste Code No : 10001141

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated wastewater and biosludge

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 2-5 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
	Latex	3-5	%
	Polyols	2-5	%
	Water	75-85	%
	Alcohols/Amines	2-4	%
	Fatty Acids	2-4	%
	Lube Oils/Diesel	1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits
 TCLP Volatiles : TCLP Volatiles are below regulatory limits
 TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits
 Reactivity : No reactive materials are present
 Corrosivity : pH is neutral
 Ignitability : No ignitable materials are present

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 1/4/2006

Printed Name / Title : Ruben Fernandez / Tankwash Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 1/5/2006 Status : Approved Rejected

Approval Number : 1289

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

- 1292 Enterprise Products Operating L.P. ->
(Morgan Point)



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/5/2006

Dear Mike Tomerlin

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1292

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)

Address: P.O. Box 573 Attn: Lea Ann Pease
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Recyclable Rinse Water

TCEQ Waste Code #: Recycle

Container Type: Truck

Detailed Description of Process Generating Waste:

Backwashing filters from a natural gasoline pipeline. The filters are backwashed with water to remove hydrocarbons prior to filter change-out. Also, rinsing storage tank previously storing natural gasoline.

Color: Dark

Odor: Hydrocarbon

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Enterprise Products Operating, L.P. (Morgan Point Facility)
Address : P.O. Box 573 Attn: Lea Ann Pease
City, State, Zip : Mont Belvieu TX 77580
Contact : Mike Tomerlin Title : Environmental Manager
Phone No : (281) 385-4455 Fax :
24 / HR Phone : (281) 385-4455
U.S EPA I.D No : TXD008084238
State I.D : 30282 SIC Code

SECTION 2: Billing Information

Company : Enterprise Products Operating, L.P. (Morgan Point)
Address : P.O. Box 573 Attn: Lea Ann Pease
City, State, Zip : Mont Belvieu TX 77580
Contact : Mike Tomerlin Title : Environmental Manager
Phone No : (281) 385-4455 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Recyclable Rinse Water

Detailed Description of Process Generating Waste:

Backwashing filters from a natural gasoline pipeline. The filters are backwashed with water to remove hydrocarbons prior to filter change-out. Also, rinsing storage tank previously storing natural gasoline.

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Dark Odor : Hydrocarbon

Specific Gravity (Water=1) : 1 Density : 8.34 lbs / gal

Layers : ☐ Single-Phase ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 130 bbl

Number Of Units : 10000

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Recyclable hydrocarbon and water mixture

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0-2 %
Oil and Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		94-99	%
Hydrocarbons (C5 and C6)		2-5	%
Rust		0-1	%
Inhibitor (sodium nitrate)		0-0.005	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : N/A

TCLP Volatiles : N/A

TCLP Semi-Volatiles : N/A

Reactivity : N/A

Corrosivity : N/A

Ignitability : N/A

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : Mike Tomerline

Date : 1/5/2006

Printed Name / Title : Mike Tomerline, Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Robert St. Jacques

Date : 1-5-06

Status :

Approved

Rejected

Approval Number :

1292

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston TX. 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/5/2006

Dear Mike Tomerlin

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1292

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)

Address: P.O. Box 573 Attn: Lea Ann Pease
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Recyclable Rinse Water

TCEQ Waste Code #: Recycle

Container Type: Truck

Detailed Description of Process Generating Waste:

Backwashing filters from a natural gasoline pipeline. The filters are backwashed with water to remove hydrocarbons prior to filter change-out. Also, rinsing storage tank previously storing natural gasoline.

Color: Dark

Odor: Hydrocarbon

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Enterprise Products Operating, L.P. (Morgan Point Facility)
Address : P.O. Box 573 Attn: Lea Ann Pease
City, State, Zip : Mont Belvieu TX 77580
Contact : Mike Tomerlin Title : Environmental Manager
Phone No : (281) 385-4455 Fax :
24 / HR Phone : (281) 385-4455
U.S EPA I.D No : TXD008084238
State I.D : 30282 SIC Code

SECTION 2: Billing Information

Company : Enterprise Products Operating, L.P. (Morgan Point)
Address : P.O. Box 573 Attn: Lea Ann Pease
City, State, Zip : Mont Belvieu TX 77580
Contact : Mike Tomerlin Title : Environmental Manager
Phone No : (281) 385-4455 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Recyclable Rinse Water

Detailed Description of Process Generating Waste:

Backwashing filters from a natural gasoline pipeline. The filters are backwashed with water to remove hydrocarbons prior to filter change-out. Also, rinsing storage tank previously storing natural gasoline.

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Dark Odor : Hydrocarbon

Specific Gravity (Water=1) : 1 Density : 8.34 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 130 bbl

Number Of Units : 10000

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Recyclable hydrocarbon and water mixture

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0-2 %
Oil and Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		94-99	%
Hydrocarbons (C5 and C6)		2-5	%
Rust		0-1	%
Inhibitor (sodium nitrate)		0-0.005	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : N/A

TCLP Volatiles : N/A

TCLP Semi-Volatiles : N/A

Reactivity : N/A

Corrosivity : N/A

Ignitability : N/A

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 1/5/2006

Printed Name / Title : Mike Tomerline / Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thangudu

Date : 1/5/2006 Status : Approved Rejected

Approval Number : 1292

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1292

Customer: Enterprise Products Operating, L.P. (Morgan Point

Waste Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)

Waste Stream Name: Recyclable Rinse Water

Expiration Date: 1/5/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Customer Name

Signature

Company / Title

Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

✓

Morgan McCarley

From: Tomerlin, Mike [MTomerlin@eprod.com]
Sent: Friday, July 18, 2008 11:07 AM
To: Morgan McCarley
Subject: Re: need signature for recertification

Please let this e-mail serve as my signature to approve the recertification of this waste stream.

Mike Tomerlin
Environmental Manager - Houston Region

----- Original Message -----

From: Morgan McCarley <mmccarley@cesenvironmental.com>
To: Tomerlin, Mike
Sent: Wed Jul 16 16:55:14 2008
Subject: FW: need signature for recertification

Thanks for your help Mike.

Regards-

Morgan McCarley

From: Morgan McCarley
Sent: Wednesday, July 16, 2008 4:41 PM
To: 'sjcraig@eprod.com'
Cc: Dana Carter
Subject: need signature for recertification

Stephen-

Please sign the attached form and confirm that no changes have been made to the generation process of this recyclable stream. You can either e-mail this back to me, or fax to the # on the attached form. We plan on picking this up Friday morning, so please get this back to me ASAP.

Thank you-



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1292

Customer: Enterprise Products Operating, L.P. (Morgan Point)

Waste Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)

Waste Stream Name: Recyclable Rinse Water

Expiration Date: 1/5/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Edward Laszcz
Customer Name
EC Laszcz
Signature
Enterprise Products Operating LLC
Company / Title
7/16/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

✓

PROFILE 1292

Gary Peterson

From: Morgan McCarley
Sent: Friday, July 18, 2008 11:11 AM
To: Gary Peterson; Stacy Baker; Prabhaker Thangudu; Ryan Thomas
Subject: FW: need signature for recertification

recertification for profile #1292....please process, there have been NO changes to the RECYCLABLE stream. The generator Mike Tomerlin requested that this e-mail serve as his signature.

The generator has been traveling and could not sign and fax back to us.

-Morgan

-----Original Message-----

From: Tomerlin, Mike [mailto:MTomerlin@eprod.com]
Sent: Friday, July 18, 2008 11:07 AM
To: Morgan McCarley
Subject: Re: need signature for recertification

Please let this e-mail serve as my signature to approve the recertification of this waste stream.

Mike Tomerlin
Environmental Manager - Houston Region

----- Original Message -----

From: Morgan McCarley <mmccarley@cesenvironmental.com>
To: Tomerlin, Mike
Sent: Wed Jul 16 16:55:14 2008
Subject: FW: need signature for recertification

Thanks for your help Mike.

Regards-

Morgan McCarley

From: Morgan McCarley
Sent: Wednesday, July 16, 2008 4:41 PM
To: 'sjcraig@eprod.com'
Cc: Dana Carter
Subject: need signature for recertification

Stephen-

Please sign the attached form and confirm that no changes have been made to the generation process of this recyclable stream. You can either e-mail this back to me, or fax to the # on the attached form. We plan on picking this up Friday morning, so please get this back to me ASAP.

Thank you-

Morgan McCarley - CSR

CES Environmental, Inc.

office: 713-800-7908

cell: 281-691-3296

fax: 713-748-8664

mmccarley@cesenvironmental.com <<mailto:mmccarley@cesenvironmental.com>>

LVBR120L (BAYPORT) 1342
PROFILE # 1342



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/26/2006

Dear **Bob Pickle**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1342

Generator: The Lubrizol Corporation

Address: P.O. Box 158, 41 Tidal Rd. (Attn: Frank Hejtmanek)
Deer Park, TX 77536-0158

Waste Information

Name of Waste: 0404 Distillate Wastewater Bottoms

TCEQ Waste Code #: 00461021

Container Type: Truck

Detailed Description of Process Generating Waste:

Distillation bottoms from a process that removes methanol and formalin from a process water stream (stripped at 260 degree F)

Color: Clear

Odor: Alcohol / amine

pH: 8-11

Physical State: Liquid

Incompatibilities: Material is flammable

Safety Related Data/Special Handling:

Material is flammable liquid and must be handled accordingly

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.


**CES Environmental
Services, Inc.**
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461
ISWR No: 30900
SECTION 1: Generator Information
Company: The Lubrizol Corporation
Address: 12801 Bay Area Blvd
City, State, Zip: Pasadena, TX 77507-1397
Contact: Frank Hejzmanek
Title: EH&S Manager
Phone No: (832) 260-7843
Fax No: (832) 260-7847
24/hr Phone: (713) 416-4160
U.S. EPA I.D. No: TXD000642348
State I.D.: 30325
SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above
Company: _____

Address: _____

City, State, Zip: _____

Contact: _____

Title: _____

Phone No: _____

Fax No: _____

SECTION 3: General Description of the Waste
Name of Waste: 0404 Distillate Wastewater Bottoms
Detailed Description of Process Generating Waste: Distillation bottoms from a process that removes methanol and formalin from a process water stream (stripped at 260 degree F)
Physical State:
☒ Liquid

☐ Sludge

☐ Powder

☐ Solid

☐ Filter Cake

☐ Combination

Color: Clear
Odor: alcohol/amine
Specific Gravity (water=1): .95
Density: 8.0 lbs/gal
Layers:
☒ Single-phase

☐ Multi-phase

Container Type:
☐ Drum

☐ Tote

☒ Truck

☐ Other (explain)

Container Size:
5000 gal
Frequency:
☒ Weekly

☐ Monthly

☐ Quarterly

☐ Yearly

Number of Units (containers): 1
Other: _____

Texas State Waste Code No:
0046-102-1
Proper U.S. DOT Shipping Name:
Waste flammable liquids, N.O.S. (methanol)
Class: 3
UN/NA:
UN1993
PG: II
RQ: _____

Flash Point 86 F	pH 8-11	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids <1%
Oil & Grease <100mg/l	TOC 45,000mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		96-98	%
Methanol		2-3	%
Formalin (Flash 154 F)		1-2	%
Hydrocarbyl Amine (Flash 143 F)		0.5-1.0	%
50-44		0-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Material is flammable liquid and must be handled accordingly

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Material is flammable

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: See analytical 6010277

TCLP Volatiles: See analytical 6010277

TCLP Semi-Volatiles: See analytical 6010277

Reactivity: See analytical 6010277

Corrosivity: See analytical 6010277

Ignitability: See analytical 6010277

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Frank Heitmanek

Date: 1/19/06

Printed Name/Title: Frank Heitmanek/EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Beth Ann Phang

Additional Information: _____

Date: 1-19-06

Approved

Rejected

Approval Number: _____



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: The Lubrizol Corporation
Address: 12801 Bay Area Blvd
City, State, Zip: Pasadena, TX 77507-1397
Contact: Frank Hejtmanek Title: EH&S Manager
Phone No: (832) 260-7843 Fax No: (832) 260-7847
24/hr Phone: (713) 416-4160
U.S. EPA I.D. No: TXD000642348
State I.D. 30325 SIC Code:

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: 0404 Distillate Wastewater Bottoms

Detailed Description of Process Generating Waste: Distillation bottoms from a process that removes methanol and formalin from a process water stream (stripped at 260 degree F)

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Clear

Odor: alcohol/amine

Specific Gravity (water=1): .95

Density: 8.0 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: 5000 gal

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other:

Texas State Waste Code No:

Proper U.S. DOT Shipping Name: Waste flammable liquids, N.O.S. (methanol)

Class: 3 UN/NA: UN1993 PG: II RQ:

Flash Point 86 F	pH 8-11	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids <1%
Oil & Grease <100mg/l	TOC 45,000mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	96-98	%
Methanol	2-3	%
Formalin (Flash 154 F)	1-2	%
Hydrocarbyl Amine (Flash 143 F)	0.5-1.0	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Material is flammable liquid and must be handled accordingly

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Material is flammable

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: See analytical 6010277
TCLP Volatiles: See analytical 6010277
TCLP Semi-Volatiles: See analytical 6010277
Reactivity: See analytical 6010277
Corrosivity: See analytical 6010277
Ignitability: See analytical 6010277

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: 1/19/06

Printed Name/Title: Frank Hejtmanek/EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____
Date: _____ Approved _____ Rejected _____
Approval Number: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☒ Underground storage remediation waste
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☒ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☒ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone (713) 676-1460
Fax: (281) 676-1676

Attn: Sean Easton

- CERTIFICATE OF RESULTS -

MES Lab#: 6010277
Client Sample ID: Lubrizol - 0404
Extended ID: 0404 Distillate Lubrizol Bayport

Sample Collect Date: 1/11/2006 @ 8:30:00 AM
Sample Receipt Date: 1/11/2006 @ 12:29:00 PM

Sample Type: Comp

Test Group / Method

TCLP Volatiles Method: SW-846 8260B					Analyst: HDG Date / Time
	MDL	RL	Result	Units	
Vinyl chloride	1.00	0.2	< 1.00	mg/L	1/17/2006 / 12:04 PM
1,1-Dichloroethene	0.50	0.7	< 0.50	mg/L	1/17/2006 / 12:04 PM
2-Butanone	5.00	200	< 5.00	mg/L	1/17/2006 / 12:04 PM
Chloroform	0.50	6	< 0.50	mg/L	1/17/2006 / 12:04 PM
Carbon tetrachloride	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
1,2-Dichloroethane	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
Benzene	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
Trichloroethene	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
Tetrachloroethene	0.50	0.7	< 0.50	mg/L	1/17/2006 / 12:04 PM
Chlorobenzene	0.50	100	< 0.50	mg/L	1/17/2006 / 12:04 PM
1,4-Dichlorobenzene	0.50	7.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
Hexachlorobutadiene	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM

TCLP Sem-Volatiles Method: SW-846 8270C					Analyst: TFR Date / Time
	MDL	RL	Result	Units	
Pyridine	0.10	5	< 0.10	mg/L	1/12/2006 / 11:47 AM
1,4-Dichlorobenzene	0.10	7.5	< 0.10	mg/L	1/12/2006 / 11:47 AM
o-Cresol	0.10	200	< 0.10	mg/L	1/12/2006 / 11:47 AM
m+p-Cresol	0.10	200	< 0.10	mg/L	1/12/2006 / 11:47 AM
Hexachloroethane	0.10	3	< 0.10	mg/L	1/12/2006 / 11:47 AM
Nitrobenzene	0.10	2	< 0.10	mg/L	1/12/2006 / 11:47 AM
Hexachlorobutadiene	0.10	0.5	< 0.10	mg/L	1/12/2006 / 11:47 AM
2,4,6-Trichlorophenol	0.10	2	< 0.10	mg/L	1/12/2006 / 11:47 AM
2,4,5-Trichlorophenol	0.10	400	< 0.10	mg/L	1/12/2006 / 11:47 AM
2,4-Dinitrotoluene	0.10	0.13	< 0.10	mg/L	1/12/2006 / 11:47 AM
Hexachlorobenzene	0.10	0.13	< 0.10	mg/L	1/12/2006 / 11:47 AM
Pentachlorophenol	1.00	100	< 1.00	mg/L	1/12/2006 / 11:47 AM

- CERTIFICATE OF RESULTS -

MES Lab#: 6010277
Client Sample ID: Lubrizol - 0404
Extended ID: 0404 Distillate Lubrizol Bayport

Sample Collect Date: 1/11/2006 @ 8:30:00 AM
Sample Receipt Date: 1/11/2006 @ 12:29:00 PM

Sample Type: Comp

TCLP Metals (8) Method: SW-846 6010B					Analyst: CKIME Date / Time
MDL	RL	Result	Units		
Arsenic	0.050	5	< 0.050	mg/L	1/12/2006 / 4:37 PM
Barium	0.002	100	0.004	mg/L	1/12/2006 / 4:37 PM
Cadmium	0.004	1	< 0.004	mg/L	1/12/2006 / 4:37 PM
Chromium	0.007	5	0.065	mg/L	1/12/2006 / 4:37 PM
Lead	0.010	5	< 0.010	mg/L	1/12/2006 / 4:37 PM
Selenium	0.050	1	< 0.050	mg/L	1/12/2006 / 4:37 PM
Silver	0.002	5	< 0.002	mg/L	1/12/2006 / 4:37 PM
TCLP Mercury Method: SW-846 7470A					Analyst: CKIME Date / Time
MDL	RL	Result	Units		
Mercury	0.0002	0.2	0.0002	mg/L	1/12/2006 / 4:32 PM
Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2					Analyst: AS Date / Time
MDL		Result	Units		
Hydrogen Cyanide	0.25		< 0.25	mg/kg	1/16/2006 / 3:00 PM
Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2					Analyst: AS Date / Time
MDL		Result	Units		
Hydrogen Sulfide	0.25		< 0.25	mg/kg	1/16/2006 / 9:45 AM
Corrosivity: pH Method: SW-846 9045					Analyst: CL Date / Time
MDL		Result	Units		
pH			10.4		1/12/2006 / 9:40 AM
Ignitability Method: SW-846 1010					Analyst: CL Date / Time
MDL		Result	Units		
Flashpoint			86	deg F	1/17/2006 / 1:00 PM
Total Petroleum Hydrocarbons Solid Method: TNRCC 1005					Analyst: TFR Date / Time
MDL		Result	Units		
C6 - C12 Hydrocarbons	4		513	mg/kg	1/18/2006 / 12:15 AM
>C12 - C28 Hydrocarbons	8		58	mg/kg	1/18/2006 / 12:15 AM
>C28 - C36 Hydrocarbons	8		< 8	mg/kg	1/18/2006 / 12:15 AM
Total TPH	20		571	mg/kg	1/18/2006 / 12:15 AM
TOC (Combustion) Method: EPA 415.1					Analyst: CL Date / Time
MDL		Result	Units		
Total Organic Carbon	1		45300	mg/L	1/17/2006 / 4:15 PM

- CERTIFICATE OF RESULTS -

MES Lab#: 6010277
Client Sample ID: Lubrizol - 0404
Extended ID: 0404 Distillate Lubrizol Bayport

Sample Collect Date: 1/11/2006 @ 8:30:00 AM
Sample Receipt Date: 1/11/2006 @ 12:29:00 PM

Sample Type: Comp

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit


Holland D. Gilmore, Laboratory Director

Wednesday, January 18, 2006

Date

6010277

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

SURROGATE SPIKE RECOVERY FOR VOLATILES**% REC**

Dibromofluoromethane	85.4
Toluene-d8	102.6
4-Bromofluorobenzene	99.6

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES**% REC**

2-Fluorophenol	82.1
Phenol-d6	112.0
Nitrobenzene-d5	86.6
2-Fluorobiphenyl	79.3
2,4,6-Tribromophenol	67.0
p-Terphenyl-d14	90.6

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Arsenic	< 0.006	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

ANALYTE	STD	ORIG	DUP
Flashpoint	82°F	118°F	120°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	7.18	7.06	1.69

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	< 0.25	< 0.25	0.00

Mercury Environmental Services, Inc.

EPAHO112000937

(b) (4)



(b) (4)



(b) (4)



(b) (4)



(b) (4)



(b) (4)



(b) (4)



(b) (4)

(b) (4)





832-260-7827

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1342

Customer: The Lubrizol Corporation

Waste Generator: The Lubrizol Corporation

Waste Stream Name: 0404 Distillate Wastewater Bottoms

Expiration Date: 1/26/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

Frank Hejtmansk

Customer Name

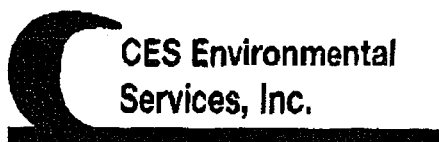
Frank Hejtmansk

Signature

Title

The Lubrizol Corporation

Company



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1478

Customer: Houston Plating and Coating LLC @ Baker Oil Tool

Waste Generator: Houston Plating and Coating LLC @ Baker Oil Tool

Waste Stream Name: Non-hazardous Paint Booth Filters

Expiration Date: 4/4/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

Joseph Stankovich

Customer Name

Joseph
Signature

Vice President

Title

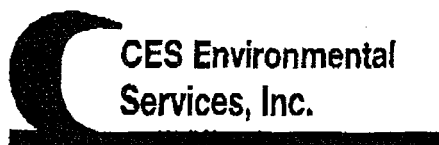
Houston Plating & Coatings, LLC

Company

Received Time Apr. 30. 3:42PM

TOTAL P.04

EPAHO112000948



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1479

Customer: Houston Plating and Coating LLC @ Baker Oil Tool

Waste Generator: Houston Plating and Coating LLC @ Baker Oil Tool

Waste Stream Name: Non-hazardous Spent Blast Media

Expiration Date: 4/4/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

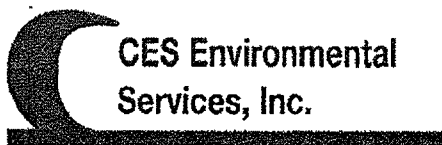
Joseph Stankovich
Customer Name

Joseph Stankovich
Signature

Vice President
Title

Houston Plating + Coatings, LLC
Company

Received Time Apr. 30. 3:42PM



yes
4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1342

Customer: Lubrizol - Bayport

Waste Generator: Lubrizol - Bayport

Waste Stream Name: 0404 Distillate Wastewater Bottoms

Expiration Date: 5/3/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

Please send new profile as waste stream has changed.

☐ Analysis is NOT required for recertification.

The following analysis is required for recertification.
Please submit results of the following tests.

The Lubrizol Corporation
Customer Name

Frank Hejtmanek
Signature

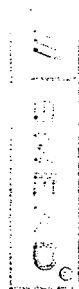
Frank Hejtmanek
Company / Title

5/13/09
Date

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

Goodman Manufacturing (Fid 1349)
Profile# 1349

no lab
analysis



NO. 10341

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**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/27/2006

Dear **Chad Jones**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1349

Generator: Goodman Manufacturing (Furnace Plant)

Address: 3300 West 11th Street
Houston, TX 77008

Waste Information

Name of Waste: Pyrolysis Ash?dust

TCEQ Waste Code #: 11083041

Container Type: Drum

Detailed Description of Process Generating Waste:

Generated from the collection of pyrolysis dust that is part of the paint powder application process. The dust is the left over paint powder from the powder application process.

Color: dark-black

Odor: None

pH: na

Physical State: Solid

Incompatibilities: none known

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000953



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Goodman Manufacturing (Furnace Plant)
Address : 3300 West 11th Street
City, State, Zip : Houston TX 77008
Contact : Chad Jones Title :
Phone No : (713) 861-2500 Fax :
24 / HR Phone :
U.S. EPA I.D No : N/A
State I.D : 38432 SIC Code

SECTION 2: Billing Information

Company : Goodman Manufacturing (Furnace Plant)
Address : 3300 West 11th Street
City, State, Zip : Houston TX 77008
Contact : Chad Jones Title :
Phone No : (713) 861-2500 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Pyrolysis Ash?dust

Detailed Description of Process Generating Waste:

Generated from the collection of pyrolysis dust that is part of the paint powder applying process. The dust is the left over paint powder from the powder application process.

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : dark-black Odor : None

Specific Gravity (Water=1) : >1 Density : >10 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 10

Texas State Waste Code No : 11083041

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste solids

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH na	Reactive Sulfides BRL mg/l	Reactive Cyanides BRL mg/l	Solids 100 %
Oil and Grease na mg/l	TOC na mg/l	Zinc BRL mg/l	Copper BRL mg/l	Nickel BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Pyrolysis ash/dust		100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : See Analytical # 5010110

TCLP Volatiles : See Analytical # 5010110

TCLP Semi-Volatiles : See Analytical # 5010110

Reactivity : See Analytical # 5010110

Corrosivity : See Analytical # 5010110

Ignitability : See Analytical # 5010110

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 1/23/2006

Printed Name / Title : Mark Deweese / EHS Mgr

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 1/27/2006 Status : Approved Rejected

Approval Number : 1349

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

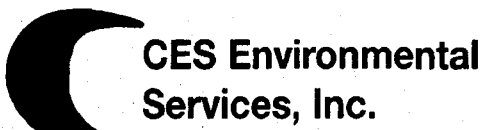
☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear Brandi Hooper

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1349

Expiration Date 1/27/2008

Generator: Goodman Manufacturing (Furnace Plant)

Address: 3300 West 11th Street
Houston, TX 77008

Waste Information

Name of Waste: Pyrolysis Ash/dust

TCEQ Waste Code #: 11083041

Container Type: Drum

Detailed Description of Process Generating Waste:

Generated from the collection of pyrolysis dust that is part of the paint powder application process. The dust is the left over paint powder from the powder application process.

Color: dark-black

Odor: None

pH: na

Physical State: Solid

Incompatibilities: none known

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000958

JUL-10-2008 09:32
JUN-04-2008 10:30

GOODMAN
CES Environmental Service

7138561832 P.001
713 676 1676 P.02/05

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Goodman Manufacturing (Furnace Plant)
Address : 3300 West 11th Street 3300 West 11th Street
City, State, Zip : Houston TX 77008
Contact : Brandi Hooper Title :
Phone No : (713) 263-5594 Fax : (713) 586-8031
24 / HR Phone :
U.S EPA I.D No : N/A
State I.D : 84122 SIC Code

SECTION 2: Billing Information

Company : Goodman Manufacturing (Furnace Plant)
Address : 3300 West 11th Street 3300 West 11th Street
City, State, Zip : Houston TX 77008
Contact : Brandi Hooper Title :
Phone No : (713) 263-5594 Fax : (713) 586-8031

SECTION 3: General Description of the Waste

Name of Waste : Pyrolysis Ash/dust

Detailed Description of the Process Generating Waste:

Generated from the collection of pyrolysis dust that is part of the paint powder applying process. The dust is the left over paint powder from the powder application process.

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : dark-black Odor : None

Specific Gravity (Water=1) : >1 Density : >10 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 10

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

JUN-10-2008 09:32
JUN-04-2008 10:31

GOODMAN
CES Environmental Service
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

7138561832 P.002
713 676 1676 P.03/05

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : 11083041

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste solids

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH na	Reactive Sulfides BRL mg/l	Reactive Cyanides BRL mg/l	Solids 100 %
Oil and Grease na mg/l	TOC na mg/l	Zinc BRL mg/l	Copper BRL mg/l	Nickel BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Pyrolysis ash/dust		100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : See Analytical # 5010110
TCLP Volatiles : See Analytical # 5010110
TCLP Semi-Volatiles : See Analytical # 5010110

Corrosivity : See Analytical # 5010110Ignitability : See Analytical # 5010110**SECTION 9: Waste Receipt Classification Under 40 CFR 437**Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation

JUN-10-2008 09:32

GOODMAN

7138561832 P.004

JUN-04-2008 10:31

CES Environmental Service

713 676 1676 P.05/05

- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

~~1/23/2008~~ 6/10/08

Printed Name / Title: Mark Dewasse / EHS Mgr

Jim McLaughlin

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thangudu

Date: 1/27/2006

Status:

Approved

Rejected

Approval Number:

1349

Process Facility Information:

\$50/dm

Trans \$200/ millrun

\$76/hr demurrage (includes fsc)

Goodman Manufacturing (Cool 380it)
Profile# 1350

no lab
Analysis
~~Analysis~~ or
signature



No. 10341

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4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear **Jim McCoy**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1350

Expiration Date 1/27/2008

Generator: Goodman Manufacturing (Cooling Plant)

Address: 1501 Seamist Drive
Houston, TX 77008

Waste Information

Name of Waste: Pyrolysis /ash/Dust

TCEQ Waste Code #: 69103041

Container Type: Drum

Detailed Description of Process Generating Waste:

Generated from the collection of pyrolysis dust that is part of the paint powder application process. The dust is the left over paint powder from the powder application process.

Color: dark-black

Odor: none

pH: na

Physical State: Solid

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000965

JUN-10-2008 09:33
JUN-04-2008 10:35

GOODMAN
CES ENVIRONMENTAL
**CES Environmental
Services, Inc.**

7138561832 P.005
7137488664 P.002

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Goodman Manufacturing (Cooling Plant)
Address : 1501 Seamist Drive 1501 Seamist Drive
City, State, Zip : Houston TX 77008
Contact : Jim McCoy Title :
Phone No : (713) 263-5327 Fax : (713) 586-8031
24 / HR Phone :
U.S EPA I.D No : TXD010803013
State I.D : 38432 SIC Code

SECTION 2: Billing Information

Company : Goodman Manufacturing (Cooling Plant)
Address : 1501 Seamist Drive 1501 Seamist Drive
City, State, Zip : Houston TX 77008
Contact : Jim McCoy Title :
Phone No : (713) 263-5327 Fax : (713) 586-8031

SECTION 3: General Description of the Waste

Name of Waste : Pyrolysis /ash/Dust

Detailed Description of the Process Generating Waste:

Generated from the collection of pyrolysis dust that is part of the paint powder applying process. The dust is the left over paint powder from the powder application process.

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : dark-black Odor : none

Specific Gravity (Water=1) : >1 Density : >10 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Container Size : 55

Number Of Units : 10

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

JUN-10-2008 09:33
JUN-04-2008 10:35

GOODMAN
CES ENVIRONMENTAL

7138561832 P.006
7137488664 P.003

☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : 69103041

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste solids

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH na	Reactive Sulfides BRL mg/l	Reactive Cyanides BRL mg/l	Solids 100 %
Oil and Grease na mg/l	TOC na mg/l	Zinc BRL mg/l	Copper BRL mg/l	Nickel BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Pyrolysis ash/dust		100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analytical

SECTION 7: Incompatibilities

Please list all Incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : Analytical # 5010110
TCLP Volatiles : Analytical # 5010110
TCLP Semi-Volatiles : Analytical # 5010110

Corrosivity : Analytical # 5010110Ignitability : Analytical # 5010110**SECTION 9: Waste Receipt Classification Under 40 CFR 437**Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation

JUN-10-2008 09:33

GOODMAN

7138561832

P.008

JUN-04-2008 10:36

CES ENVIRONMENTAL

7137488664

P.005

☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory☐ Oils Subcategory☐ Organics Subcategory**SECTION 10: Additional Instruction**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name / Title: _____

Mark Bowdler / EHS Mgr

CES USE ONLY (DO NOT WRITE IN THIS SPACE)**Process Facility Information:**

Compliance Officer: Prabhakar Thangudu

Date: 1/27/2006

Status: _____

Approved

Rejected

Approval Number: _____

1350

\$50/dm
Trans \$200/ milkrun
\$78/hr demurrage (includes fsc)



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/27/2006**

Dear **Will Kreisel**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1350

Generator: Goodman Manufacturing (Cooling Plant)

Address: 1501 Seamist Drive
Houston, TX 77008

Waste Information

Name of Waste: Pyrolysis /ash/Dust

TCEQ Waste Code #: 69103041

Container Type: Drum

Detailed Description of Process Generating Waste:

Generated from the collection of pyrolysis dust that is part of the paint powder application process. The dust is the left over paint powder from the powder application process.

Color: dark-black

Odor: none

pH: na

Physical State: Solid

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Goodman Manufacturing (Cooling Plant)
Address : 1501 Seamist Drive
City, State, Zip : Houston TX 77008
Contact : Will Kreisel Title :
Phone No : (713) 861-2500 Fax : 713-869-6310
24 / HR Phone :
U.S. EPA I.D No : na
State I.D : 38432 SIC Code : 3432

SECTION 2: Billing Information

Company : Goodman Manufacturing (Cooling Plant)
Address : 1501 Seamist Drive
City, State, Zip : Houston TX 77008
Contact : Will Kreisel Title :
Phone No : (713) 861-2500 Fax : 713-869-6310

SECTION 3: General Description of the Waste

Name of Waste : Pyrolysis /ash/Dust

Detailed Description of Process Generating Waste:

Generated from the collection of pyrolysis dust that is part of the paint powder applying process. The dust is the left over paint powder from the powder application process.

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : dark-black Odor : none

Specific Gravity (Water=1) : >1 Density : >10 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 10

Texas State Waste Code No : 69103041

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste solids

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH na	Reactive Sulfides BRL mg/l	Reactive Cyanides BRL mg/l	Solids 100 %
Oil and Grease na mg/l	TOC na mg/l	Zinc BRL mg/l	Copper BRL mg/l	Nickel BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Pyrolysis ash/dust	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : Analytical # 5010110

TCLP Volatiles : Analytical # 5010110

TCLP Semi-Volatiles : Analytical # 5010110

Reactivity : Analytical # 5010110

Corrosivity : Analytical # 5010110

Ignitability : Analytical # 5010110

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 1/23/2006

Printed Name / Title : Mark Deweese / EHS Mgr

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 1/27/2006 Status : Approved Rejected

Approval Number : 1350

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

CES ENVIRONMENTAL SERVICES, INC.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1350
Waste Generator: Goodman Manufacturing (Cooling Plant)
Waste Stream Name: Pyrolysis Ash/dust
Expiration Date: 1/27/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: *(Check Appropriate Box)*

- ☐ No changes, please recertify.
☐ Please send new profile as waste stream has changed.

Jim McCoy
Customer Name

[Signature]
Signature

MGR - Environmental Affairs
Title

Goodman MFG.
Company

135000 Drilling Equipment
Profile # 1351

No lab analysis
no signature



No. 10341

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EPAHQ112000977



4904 Griggs Road
Houston TX 77021
Tel: (713) 676-1460
Fax: (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/27/2006

Dear Melissa Giegley

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1351

Generator: Varco Drilling Equipment

Address: 12950 W. Little York
Houston, TX 77041

Waste Information

Name of Waste: Absorbent/Floor Sweep

TCEQ Waste Code #: 00184091

Container Type: Drum

Detailed Description of Process Generating Waste:

Kitty litter absorbent and floor sweep generated from cleaning up spills and leaks of lubricating oils in machine shops.

Color: Black

Odor: None

pH: na

Physical State: Solid

Incompatibilities: none

Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000978



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Varco Drilling Equipment
Address : 12950 W. Little York
City, State, Zip : Houston TX 77041
Contact : Melissa Giegley Title :
Phone No : (713) 856-4145 Fax :
24 / HR Phone :
U.S EPA I.D No : TXT490014180
State I.D : 32145 SIC Code :

SECTION 2: Billing Information

Company : Varco Drilling Equipment
Address : 12950 W. Little York
City, State, Zip : Houston TX 77041
Contact : Melissa Giegley Title :
Phone No : (713) 856-4145 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Absorbent/Floor Sweep

Detailed Description of Process Generating Waste:

Kitty litter absorbent and floor sweep generated from cleaning up spills and leaks of lubricating oils in machine shops.

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : Black Odor : None

Specific Gravity (Water=1) : 2 Density : 15 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 10

Texas State Waste Code No : 00184091

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : na UN/NA : na PG : na RQ : na

Flash Point na	pH na	Reactive Sulfides na mg/l	Reactive Cyanides na mg/l	Solids 100 %
Oil and Grease na mg/l	TOC na mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Kitty litter absorbent		95-100	%
Lubricating oil		4-5	%
Debris (Trash)		1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : see sample ID 6010486

TCLP Volatiles : see sample ID 6010486

TCLP Semi-Volatiles : None present in waste generation process

Reactivity : None present in waste generation process

Corrosivity : None present in waste generation process

Ignitability : None present in waste generation process

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 1/24/2006

Printed Name / Title : Melissa Geigley / EHS Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 1/27/2006 Status : Approved Rejected

Approval Number : 1351

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'YES' complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/27/2006

Dear Melissa Giegley

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1351

Generator: Varco Drilling Equipment
Address: 12950 W. Little York
Houston, TX 77041

Waste Information

Name of Waste: Absorbent/Floor Sweep

TCEQ Waste Code #: 00184091

Container Type: Drum

Detailed Description of Process Generating Waste:

Kitty litter absorbent and floor sweep generated from cleaning up spills and leaks of lubricating oils in machine shops.

Color: Black

Odor: None

pH: na

Physical State: Solid

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000983



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Varco Drilling Equipment
Address: 12950 W. Little York
City, State, Zip: Houston, TX 77041
Contact: Melissa Geigley Title: EH&S Manager
Phone No: (281) 387-7813 Fax No: (713) 937-5022
24/hr Phone: (281) 387-7813
U.S. EPA I.D. No: TXT490014180
State I.D. 32145 SIC Code:

SECTION 2: Billing Information - X ☐ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Absorbent/Floor Sweep

Detailed Description of Process Generating Waste: Kitty litter absorbent and floor sweep generated from cleaning up spills and leaks of lubricating oils in machine shops

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Tan-Black

Odor: None

Specific Gravity (water=1): 2 Density: 15 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Container Size: 55-gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 10 Other: _____

Texas State Waste Code No: 00184091

Proper U.S. DOT Shipping Name: Non-DOT Regulated Material

Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point N/A	pH N/A	Reactive Sulfides N/Amg/l	Reactive Cyanides N/Amg/l	Solids 100%
Oil&Grease N/Amg/l	TOC N/Amg/l	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Kitty Litter Absorbent		95-100	%
Lubricating Oils		4-5	%
Debris (Trash)		1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

See analytical 6010486

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: See Sample ID 6010486
TCLP Volatiles: See Sample ID 6010486
TCLP Semi-Volatiles: No semi-volatile compounds present in waste generation process
Reactivity: No semi-volatile compounds present in waste generation process
Corrosivity: No semi-volatile compounds present in waste generation process
Ignitability: No semi-volatile compounds present in waste generation process

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: 

Date: 1/24/2006

Printed Name/Title: Melissa Geigley, EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: 

Additional Information: _____

Date: 1-27-06 Approved Rejected

Approval Number: 1351

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

6010486

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

ANALYTES	METHOD 8021B	MB mg/l	MS %REC	MSD %REC	RPD	STD %REC
Benzene		< 0.005	90.8	91.0	0.22	89.6
Toluene		< 0.005	100.0	101.0	1.00	98.9
Ethylbenzene		< 0.005	99.8	104.0	4.12	99.7
m+p Xylene		< 0.005	102.0	112.0	9.35	110.3
o-Xylene		< 0.005	97.3	108.0	10.42	103.2

SURROGATE SPIKE RECOVERY FOR BTEX**% REC**

4-Bromofluorobenzene

93.2

ANALYTE	MB mg/L	LOW				CCV %REC	CHECK STD	ICS %REC
		LCS %REC	LCSD %REC	RPD	CCB mg/L			
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike

RPD=Relative Percent Deviation

LCS=Laboratory Control Standard

CCB=Continuing Calibration Blank

MDL=Minimum Detection Limit

MSD=Matrix Spike Duplicate

MB=Method Blank

CCV=Continuing Calibration Verification

%Rec=Percent Recovery

RL=Regulatory Limit

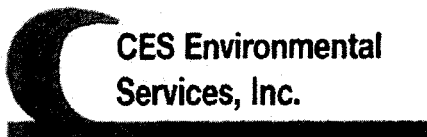
Signature: 

Daniel C. Wolbrecht / Laboratory Manager

January 24, 2006

Mercury Environmental Services, Inc.

EPAHO112000987



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1351

Customer: NOV Drilling Equipment (West Little York)

Waste Generator: NOV Drilling Equipment (West Little York)

Waste Stream Name: Absorbent/Floor Sweep

Expiration Date: 1/27/2008 ✓

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

NOV - CHRISTY LEXLEY
Customer Name

[Signature]
Signature

NOV HSE MGR
Company / Title

12-2-08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Houston Plating 1361
1361



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/3/2006

Dear Joe Stankovich

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1361

Generator: Houston Plating

Address: 1315 Georgia, PO Box 418
South Houston, TX 77587

Waste Information

Name of Waste: Non-Hazardous Wastewater

TCEQ Waste Code #: 00202051

Container Type: Truck

Detailed Description of Process Generating Waste:

Nuvat parts washer cleaner and water mixture used in surface preparation for a phosph process.

Color: Varies

Odor: Mild

pH: na

Physical State: Liquid

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112000990

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Houston Plating + Coatings, LLC
Address: 1315 Georgia
City, State, Zip: South Houston, TX 77587
Contact: Joe Stankovich Title: VP
Phone No: 713-946-8920 Fax No: 713-946-7326
24/hr Phone: 713-946-8920
U.S. EPA I.D. No: TXD982556391
State I.D. 38553 SIC Code: 3471, 3479

SECTION 2: Billing Information - ☐ Same as Above

Company: Houston Plating + Coatings, LLC
Address: PO Box 418
City, State, Zip: South Houston, TX 77587
Contact: Attn: Joe Title: VP
Phone No: 713-946-8920 Fax No: 713-946-8487

SECTION 3: General Description of the WasteName of Waste: Non-Hazardous Waste WaterDetailed Description of Process Generating Waste: Naval parts washer cleaner and water mixture used in surface preparation for A phosphate process.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: VariesOdor: MildSpecific Gravity (water=1): 9-1.2Density: 8.3 lbs/galLayers: ☐ Single-phase ☒ Multi-phaseContainer Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)Container Size: 5000 Gal
1-3500 Gals of materialFrequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ YearlyNumber of Units (containers): 1 Other: _____Texas State Waste Code No: 00202051Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste WaterClass: Na UN/NA: Na PG: Na RQ: _____

Flash Point >150	pH NA	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0-1%
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Oil&Grease >100mg/l	TOC NAmg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l
------------------------	---------------	---------------	-----------------	-----------------

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		83-	%
Nuvat Parts Washer (Neutralized)		15-25	%
Salts		0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles: X

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Joe Stankovich Date: 01/31/06

Printed Name/Title: Joe Stankovich/ VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thakur

Additional Information: _____

Date: 2-3-06 ☒ Approved ☐ Rejected

Approval Number: 1361

SECTION 10: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☒ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

TOTAL P.04

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☒ Metals Subcategory
☐ Oils Subcategory
☐ Organics Subcategory

SECTION II: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



CHAIN OF CUSTODY

Page 1 of 1

ENVIRO EXPRESS LABORATORIES, INC.

401 North 11th. St. / La Porte, Texas 77571-3115

(281) 471-0951 / (800) 880-0156

Fax: (281) 471-5821 / After Hours: (281) 844-2308

e-mail: environexp@aol.com

Next Friday AM

Results To: <u>Dan Bowman</u>		Invoice To: <u>Dan Bowman</u>		TAT (WORKING DAYS) CIRCLE ONE 1 2 3 <u>5</u>	
Company: <u>CES Environmental</u>		Company: <u>S</u>		LAB LOT #	COC Present? <u>Yes</u> No
Address: <u>4904 Griggs Rd</u>		Address: <u>S</u>		Shipment Sealed? <u>Yes</u> No	Samples Sealed? <u>Yes</u> No
City: <u>Houston</u> State: <u>TX</u> Zip: <u>77021</u>	City: <u>S</u> State: <u>TX</u> Zip: <u>77021</u>	Received on Ice? <u>Yes</u> No		Samples Intact? <u>Yes</u> No	
Phone: <u>713-254-6150</u>	Phone: <u>S</u>	Cooler Temp. (°C) <u>20C</u>		Preservative Shown? Yes <u>No</u> NA	
Fax: <u>713-676-1676</u>	Fax: <u>S</u>	Hold Time OK? <u>Yes</u> No		Res. Cl2 Check OK? Yes No <u>NA</u>	
e-Mail:	PO#:	Quote#:		pH Check OK? <u>Yes</u> No NA	
Project Name: <u>Dyna Drill</u>		Sampler Remarks:		COC & Labels Agree? <u>Yes</u> No	
Project Location: <u>Houston TX</u>		Project No:		Remarks & Additional Analyses	
Sampler (Print): <u>Dan Bowman</u>		Sampler (Sign): <u>Dan Bowman</u>			
EEL USE ONLY (LAB NO.)		SAMPLE ID.		DATE/TIME SAMPLED	
1) <u>60065.01</u>		1) <u>Coolant 9 0:1</u>		1/18/06 <u>10:00 AM</u>	
2) <u>.02</u>		2) <u>Polish Dust</u>		1/18/06 <u>10:10 AM</u>	
3) <u>.03</u>		3) <u>Grinding Dust</u>		1/18/06 <u>10:15 AM</u>	
4) <u>.04</u>		4) <u>Soapy Water</u>		1/18/06 <u>10:30 AM</u>	
5) <u>.05</u>		5) <u>Shot Dust</u>		1/18/06 <u>10:45 AM</u>	
6)					
7)					
8)					
9)					
10)					
Relinquished By: <u>Dan Bowman</u>		Company: <u>CES</u>		Date/Time: <u>1/23/05 2:40 PM</u>	
Relinquished By: <u>Dan Bowman</u>		Company: <u>CES</u>		Date/Time: <u>2/24/05</u>	
Relinquished By:		Company:		Date/Time:	
Received By: <u>Ronda Langrave</u>		Company: <u>EEL</u>		Date/Time:	
Received By:		Company:		Date/Time:	
Received By:		Company:		Date/Time:	

Matrix Key

S: Soil W: Water WW: Waste Water SL: Sludge SO: Solid SE: Sediment L: Leachate WI: Wipe OR: Organic OL: Oil DS: Drum Solid DL: Drum Liquid O: Other

Container Type Key

P: Plastic G: Glass V: VOA Glass O: Other

Preservative Key

1: Ice (<4°C) 2: HCL 3: H2SO4 4: HNO3 5: NaOH 6: NaOH+Zn Acetate 7: Na2S2O3 8: None

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Houston Plating
Address: 1315 Georgia
City, State, Zip: South Houston, TX 77587
Contact: Joe Stankovich Title: VP
Phone No: 713-946-8920 Fax No: 713-946-8487
24/hr Phone: 713-946-8920
U.S. EPA I.D. No: TXD982556391
State I.D. 38553 SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: Houston Plating
Address: PO Box 418
City, State, Zip: South Houston, TX 77587
Contact: Attn: Joe Title: VP
Phone No: 713-946-8920 Fax No: 713-946-8487

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Waste Water

Detailed Description of Process Generating Waste: Nuvat parts washer cleaner and water mixture used in surface preparation for A phosphate process.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Varies

Odor: Mild

Specific Gravity (water=1): 9-1.2 Density: 8.3 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 5000 Gal
1-3500 Gals of material

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: 00202051

Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Water

Class: Na UN/NA: Na PG: Na RQ: _____

Flash Point <u>>150</u>	pH <u>NA</u>	Reactive Sulfides <u>0mg/l</u>	Reactive Cyanides <u>0mg/l</u>	Solids <u>0-1%</u>
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Oil&Grease >100mg/l	TOC NAmg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l
------------------------	---------------	---------------	-----------------	-----------------

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	83-	%
Nuvat Parts Washer (Neutralized)	15-25	%
Salts	0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles: X

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: X Date: 01/31/06

Printed Name/Title: Joe Stankovich/ VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: _____	Additional Information: _____
Date: _____ Approved _____ Rejected _____	_____
Approval Number: _____	_____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☒ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☒ Metals Subcategory
☐ Oils Subcategory
☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

*MOST RECENT
ANALYTICAL
ON WASTEWATER
00202051*

1315 A Georgia

EST RESULTS



A&B Job ID 77068

Date: 1/11/2006

CLIENT: Houston Plating PROJECT: Neutralized NuVat Parts Wash Liquid Clean ATTN: Joseph Stankovich

Client Sample ID: Neutralized NuVat Parts Wash Cleaner Liq
Date Collected: 12/29/2005
Time Collected: 6:30
Sample Loc./Other Info:

Job Sample ID: 77068-01
Sample Matrix: Sludge

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date	Time	Analyst
SW-846 9045	pH	9.52	pH units	1				12/30	10:00	DS
SW-846 7.3	Reactivity									
	Reactive Cyanide	BRL	mg/Kg	1	25			12/30	11:00	DS
	Reactive Sulfide	BRL	mg/Kg	1	25			12/30	11:00	DS
SW-846 1010	Ignitability									
	Flashpoint	>150	°F	1				12/30	10:20	DS
SW-846 6010B	TCLP Metals									
	Antimony	BRL	mg/L	1	0.1	1		01/06	16:08	SEC
	Arsenic	BRL	mg/L	1	0.1	1.8		01/06	16:08	SEC
	Barium	BRL	mg/L	1	0.1	100		01/06	16:08	SEC
	Beryllium	BRL	mg/L	1	0.08	0.08		01/06	16:08	SEC
	Cadmium	BRL	mg/L	1	0.1	0.5		01/06	16:08	SEC
	Chromium	BRL	mg/L	1	0.1	5		01/06	16:08	SEC
	Lead	BRL	mg/L	1	0.1	1.5		01/06	16:08	SEC
	Nickel	BRL	mg/L	1	0.1	70		01/06	16:08	SEC
	Selenium	BRL	mg/L	1	0.5	1		01/06	16:08	SEC
	Silver	BRL	mg/L	1	0.1	5		01/06	16:08	SEC
SW-846 7470A	TCLP Mercury									
	Mercury	BRL	mg/L	1	0.002	0.2		01/06	14:30	SEC
TX 1005	Total Petroleum Hydrocarbons									
	C6-C12	18.7	mg/Kg	0.86	9.804			12/30	12:48	WH
	>C12-C28	813.9	mg/Kg	0.86	11.44			12/30	12:48	WH
	>C28-C35	1101.9	mg/Kg	0.86	23.05			12/30	12:48	WH
	Total C6-C35	1934.5	mg/Kg	1				12/30	12:48	WH
SW-846 8021B	BTEX									
	Benzene	BRL	mg/Kg	2	0.02			12/30	16:59	PNS
	Toluene	0.224	mg/Kg	10	0.1			12/30	16:59	PNS
	Ethylbenzene	BRL	mg/Kg	2	0.02			12/30	16:59	PNS
	Xylenes	BRL	mg/Kg	2	0.06			12/30	16:59	PNS
SW-846 8270C	TCLP Semivolatiles									
	1,4-Dichlorobenzene	BRL	mg/L	2	0.1	7.5		01/06	12:02	HG
	2,4-Dinitrotoluene	BRL	mg/L	2	0.05	0.13		01/06	12:02	HG
	Hexachlorobenzene	BRL	mg/L	2	0.05	0.13		01/06	12:02	HG
	Hexachlorobutadiene	BRL	mg/L	2	0.1	0.4		01/06	12:02	HG
	Hexachloroethane	BRL	mg/L	2	0.1	3		01/06	12:02	HG
	2-Methylphenol	BRL	mg/L	2	0.1	200		01/06	12:02	HG
	3- & 4-Methylphenols	BRL	mg/L	2	0.1	200		01/06	12:02	HG
	Nitrobenzene	BRL	mg/L	2	0.1	2		01/06	12:02	HG
	Pentachlorophenol	BRL	mg/L	2	1	100		01/06	12:02	HG
	Pyridine	BRL	mg/L	2	1	4		01/06	12:02	HG
	2,4,5-Trichlorophenol	BRL	mg/L	2	0.1	400		01/06	12:02	HG
	2,4,6-Trichlorophenol	BRL	mg/L	2	0.1	2		01/06	12:02	HG

BRL - Below Reporting Limit

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EPAHQ112001000



A & B Environmental Services, Inc.
10100 East Freeway, Suite 100
Houston, Texas 77029

SAMPLE SURROGATE RECOVERY REPORT

Job ID: 77068

Parameter	Method	CAS #	Spike Added	Spike Result	D.F.	%Rec	% Rec CLIMIT	Analysis Date/Time
Chlorooctadecane	TX 1005	3386-33-2	100	N/A	0.86		50-149	12/30/05 1
Tetrafluorotoluene (Surrogate)	SW-846 8021B	5230-78-4	100	82	2	82	75-125	12/30/05 1
2-Fluorophenol (Surrogate)	SW-846 8270C	367-12-4	100	65.66	2	65.7	20-115	1/6/06 12:
Phenol-d6 (Surrogate)	SW-846 8270C	13127-88-3	100	40.59	2	40.6	15-120	
Nitrobenzene-d5 (Surrogate)	SW-846 8270C	4165-60-0	100	114.85	2	115	20-120	
2-Fluorobiphenyl (Surrogate)	SW-846 8270C	321-60-8	100	101.27	2	101	30-115	
2,4,6-Tribromophenol (Surrogate)	SW-846 8270C	118-79-6	100	97.24	2	97.2	10-120	
Terphenyl-d14 (Surrogate)	SW-846 8270C	1718-51-0	100	49.2	2	49.2	30-140	

S5-Target Compounds caused elevation of baseline. Surrogate is not available.

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A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Job ID: 77068

QCType: Duplicate						
Parameter	Method	QC Sample Result	Duplicate Result	RPD	RPD CLimits	
pH	SW-846 9045	7.02	7.02	0	<20	C
Reactive Cyanide	SW-846 7.3	BRL	BRL	0	<20	Q
Reactive Sulfide	SW-846 7.3	BRL	BRL	0	<20	C
Flashpoint	SW-846 1010	>150	>150	0	<20	C

QCType: LCS and LCSD											
Parameter	Method	Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits		Q
pH	SW-846 9045	4	4.00		100			<20	80-120		C
Reactive Cyanide	SW-846 7.3	0.5	0.25	0.27	50	54	7.7	<20	40-120		Q
Reactive Sulfide	SW-846 7.3	960	900	960	93.8	100	6.5	<20	40-120		Q
Flashpoint	SW-846 1010	83	83	82	100	99	1.2	<20	75-125		C
Antimony	SW-846 6010B	1	0.94	0.95	94	95	1.1	<25	80-120		C
Arsenic	SW-846 6010B	1	0.98	0.98	98	98	0.0	<25	80-120		C
Barium	SW-846 6010B	1	0.90	0.92	90	92	2.2	<25	80-120		C
Beryllium	SW-846 6010B	1	0.93	0.95	93	95	2.1	<25	80-120		C
Cadmium	SW-846 6010B	1	0.94	0.95	94	95	1.1	<25	80-120		C
Chromium	SW-846 6010B	1	0.92	0.93	92	93	1.1	<25	80-120		C
Lead	SW-846 6010B	1	0.91	0.92	91	92	1.1	<25	80-120		C
Nickel	SW-846 6010B	1	0.90	0.92	90	92	2.2	<25	80-120		C
Selenium	SW-846 6010B	1	0.99	1.00	99	100	1.0	<25	80-120		C
Silver	SW-846 6010B	1	0.95	0.96	95	96	1.0	<25	80-120		C
Mercury	SW-846 7470A	0.005	0.0054		108			<35	71-143		Q

** BRL-Below Reporting Limit

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A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Job ID: 77068

QCType: LCS and LCSD											
Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	Q
C6-C12	TX 1005		500	515.3	524.6	103	105	1.8	<25	75-125	q12
>C12-C28	TX 1005		500	599.5	543.9	120	109	9.7	<25	77-130	q12
>C28-C35	TX 1005		500	487.1	480.2	97.4	96	1.4	<25	70-126	q12
Benzene	SW-846 8021B		0.1	0.098	0.086	98	86	13.0	<25	71-126	q
Toluene	SW-846 8021B		0.1	0.10	0.087	100	87	13.9	<25	74-126	q
Ethylbenzene	SW-846 8021B		0.1	0.110	0.096	110	96	13.6	<25	77-126	q
Xylenes	SW-846 8021B		0.3	0.317	0.278	106	93	13.1	<25	74-125	q
Pyridine	SW-846 8270C		0.25	0.0673	0.0695	26.9	28	3.2	<35	6-65	q
2-Methylphenol	SW-846 8270C		0.25	0.1238	0.1311	49.5	52	5.7	<35	20-92	q
Hexachloroethane	SW-846 8270C		0.25	0.1316	0.1368	52.6	55	3.9	<35	26-98	q
3- & 4-Methylphenols	SW-846 8270C		0.5	0.2056	0.2237	41.1	45	8.4	<35	20-85	q
Nitrobenzene	SW-846 8270C		0.25	0.1919	0.1754	76.8	70	9.0	<35	31-102	q
Hexachlorobutadiene	SW-846 8270C		0.25	0.1227	0.1202	49.1	48	2.1	<35	26-89	q
2,4,6-Trichlorophenol	SW-846 8270C		0.25	0.1501	0.1655	60.0	66	9.8	<35	24-104	q
2,4,5-Trichlorophenol	SW-846 8270C		0.25	0.1422	0.1443	56.9	58	1.5	<35	30-107	q
Hexachlorobenzene	SW-846 8270C		0.25	0.1737	0.1823	69.5	73	4.8	<35	34-130	q
1,4-Dichlorobenzene	SW-846 8270C		0.25	0.1297	0.1331	51.9	53	2.6	<35	28-99	q
2,4-Dinitrotoluene	SW-846 8270C		0.25	0.2052	0.2107	82.1	84	2.6	<35	25-112	q

QCType: MS and MSD											
Parameter	Method	QCSapi Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD	%RPD CLimits	%Rec CLimits	Q
Antimony	SW-846 6010B	BRL	2	1.24	1.25	62	63	0.8	<25	50-125	C
Arsenic	SW-846 6010B	BRL	2	1.31	1.34	66	67	2.3	<25	50-125	C

** BRL-Below Reporting Limit

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A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Job ID: 77068

QCType: MS and MSD												
Parameter	Method	QCSapi Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD	RPD CLimits	%Rec CLimits	Q	
Barium	SW-846 6010B	BRL	2	1.26	1.24	63	62	1.6	<25	50-125	(
Beryllium	SW-846 6010B	BRL	2	1.23	1.25	62	63	1.6	<25	50-125	(
Cadmium	SW-846 6010B	BRL	2	1.26	1.28	63	64	1.6	<25	50-125	(
Chromium	SW-846 6010B	BRL	2	1.24	1.25	62	63	0.8	<25	50-125	(
Lead	SW-846 6010B	BRL	2	1.21	1.23	61	62	1.6	<25	50-125	(
Nickel	SW-846 6010B	BRL	2	1.29	1.30	65	65	0.8	<25	50-125	(
Selenium	SW-846 6010B	BRL	2	1.21	1.27	61	64	4.8	<25	50-125	(
Silver	SW-846 6010B	BRL	2	1.28	1.30	64	65	1.6	<25	50-125	(
Mercury	SW-846 7470A	BRL	0.01	0.0114	0.0115	114	115	0.9	<35	61-175	C	

QCType: Method Blank									
Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		
Reactive Cyanide	SW-846 7.3		BRL	mg/Kg	1	25	Q123005rcyn		
Reactive Sulfide	SW-846 7.3		BRL	mg/Kg	1	25	Q123005rsul		
Antimony	SW-846 6010B	7440-36-0	BRL	mg/L	1	0.1	Q010606mt		
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1	0.1	Q010606mt		
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q010606mt		
Beryllium	SW-846 6010B	7440-41-7	BRL	mg/L	1	0.08	Q010606mt		
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q010606mt		
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q010606mt		
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q010606mt		
Nickel	SW-846 6010B	7440-02-0	BRL	mg/L	1	0.1	Q010606mt		
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q010606mt		
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q010606mt		
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q010606hgt		
C6-C12	TX 1005		BRL	mg/Kg	1	11.4	q123005tph1005c		

** BRL-Below Reporting Limit

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A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Job ID: 77068

QCType: Method Blank								
Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QC Batch ID	
>C12-C28	TX 1005		BRL	mg/Kg	1	13.3	q123005tph1005c	Tc
>C28-C35	TX 1005		BRL	mg/Kg	1	26.8	q123005tph1005c	Tc
Benzene	SW-846 8021B	71-43-2	BRL	mg/Kg	1	0.01	q123005bts	
Toluene	SW-846 8021B	108-88-3	BRL	mg/Kg	1	0.01	q123005bts	
Ethylbenzene	SW-846 8021B	100-41-4	BRL	mg/Kg	1	0.01	q123005bts	
Xylenes	SW-846 8021B	1330-20-7	BRL	mg/Kg	1	0.03	q123005bts	
1,4-Dichlorobenzene	SW-846 8270C	106-46-7	BRL	mg/L	1	0.05	q010506sv4	
2,4-Dinitrotoluene	SW-846 8270C	121-14-2	BRL	mg/L	1	0.025	q010506sv4	
Hexachlorobenzene	SW-846 8270C	118-74-1	BRL	mg/L	1	0.025	q010506sv4	
Hexachlorobutadiene	SW-846 8270C	87-68-3	BRL	mg/L	1	0.05	q010506sv4	
Hexachloroethane	SW-846 8270C	67-72-1	BRL	mg/L	1	0.05	q010506sv4	
2-Methylphenol	SW-846 8270C	95-48-7	BRL	mg/L	1	0.05	q010506sv4	
3- & 4-Methylphenols	SW-846 8270C		BRL	mg/L	1	0.05	q010506sv4	
Nitrobenzene	SW-846 8270C	98-95-3	BRL	mg/L	1	0.05	q010506sv4	
Pentachlorophenol	SW-846 8270C	87-86-5	BRL	mg/L	1	0.5	q010506sv4	
Pyridine	SW-846 8270C	110-86-1	BRL	mg/L	1	0.5	q010506sv4	
2,4,5-Trichlorophenol	SW-846 8270C	95-95-4	BRL	mg/L	1	0.05	q010506sv4	
2,4,6-Trichlorophenol	SW-846 8270C	88-06-2	BRL	mg/L	1	0.05	q010506sv4	

** BRL-Below Reporting Limit

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EPAHQ112001005

Containers: VDA - 40 no. visl 4 oz/16 oz. - glass wide mouth		A/B - Amber/Glass 1 Liter P/D - Plastic/Other		Preservatives: C - Cool H - HCl F - HNO ₃ S - H ₂ SO ₄ OH - NaOH T - Na ₂ S ₂ O ₃ X - Other		A&B cannot accept verbal changes Please FAX written changes to 713-453-6091	
METHOD OF SHIPMENT <i>Delivered by JPS</i>				BILL OF LADING / TRACKING # <i>4587</i>		Samples will be disposed of after 30 days A & B reserves the right to return samples	
LAB USE ONLY		SAMPLING <i>pac</i>		RENTAL		P/U	



10100 East Fwy. (I-10), Ste. 100
Houston, TX 77029
713-453-6060
713-453-6091 Fax
ablabs.com

A&B JOB ID

77008

5. Project #

REPORT TO:

Company: HPTC, LLC
Address: PO BOX 418
South Houston, TX 77587
Contact: J. STANKOVICH
Phone: 713 946 8920
Fax: 713 946 7326
E-mail: jstankovich@houstonplating.com

INVOICE TO:

Company: HPTC, LLC
Address: PO BOX 418
South Houston, TX 77587
Contact: Accounts Payable
Phone: 713 946 8920
Fax: 713 946 7326
E-mail:

3. PO#

4587

4. Turnaround Time (Business Days)

☐ Same Day* ☐ Need by

☐ 1 Day*

☐ 2 Days*

☐ 3 Days*

☒ 7 Days

* Surcharge applies

6. Project Name / Location: Neutralized Nuts parts wash cleaner 1315A Georgia
Liquid Composite Sample 1315A Georgia South Houston

7. Special Instructions (PLEASE PRINT) USE TCLP & EPA Approved methods for

☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached

Waste Classification

8. Sampler's Name & Company (PLEASE PRINT)

Joseph STANKOVICH
Houston PLATING & Coatings, LLC

Sampler's Signature & Date

12/29/05
[Signature]

9. Sample ID and Description

10. Sampling

11. Date

12. Time

13. Matrix

14. Comp.

15. Grab

16. Water

17. Soil

18. Sludge

19. Oil

20. Air

21. Other

17. REMARKS

LAB USE ONLY	Item	Date	Time	Comp.	Grab	Water	Soil	Sludge	Oil	Air	Other	17. REMARKS
OLC	1 Neutralized Nuts parts wash	12-29-05	6:30 AM	✓							✓	1 ✓ - liquid sample on ice
	2 clean oil liquid composite Sample											ice
	3 1315A Georgia Container (3)											
	4											
OLD	5 Neutralized Nuts parts wash	12-29-05	6:30 AM	✓							✓	1 ✓ - liquid sample on ice
	6 clean oil liquid composite Sample											ice
	7 1315A Georgia Container (4)											
OLE	8 Neutralized Nuts parts wash	12-29-05	6:30 AM	✓							✓	1 ✓ - liquid sample on ice
	9 clean oil liquid composite Sample											ice
	10 1315A Georgia Container (5)											

18. RELINQUISHED BY

DATE

TIME

19. RECEIVED BY

DATE

TIME

20. KNOWN HAZARDS / COMMENTS

1	Joseph Stankovich	12-30-05		M. G. [Signature]	12/31/05	8:30 AM	NONE KNOWN
2							
3							

*Containers: VOA - 40 ml vial A/G - Amber/Glass 1 Liter
4 oz/8 oz - glass wide mouth P/O - Plastic/other

**Preservatives: C - Cool H - HCl N - HNO₃ S - H₂SO₄
OH - NaOH T - Na₂S₂O₃ X - Other

METHOD OF SHIPMENT Delivered by SPS

BILL OF LADING / TRACKING # 4587

LAB USE ONLY SAMPLING RENTAL P/U

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days
A & B reserves the right to return samples

P. 8

7139105369

HOUSTON PLATING

MAY 14 9:06 AM '06


EPAHQ0112001007

P.9

7139105369

HOUSTON PLATING

Jan 31 2006 9:41AM

 10100 East Fwy. (I-10), Ste. 100 Houston, TX 77029 713-453-6060 713-453-6091 Fax ablabs.com		1. REPORT TO: <u>LLC</u> Company: <u>Houston Plating & Coatings, LLC</u> Address: <u>PO BOX 418</u> <u>South Houston, TX 77587</u> Contact: <u>Joseph Stankovich</u> Phone: <u>713 946 8920</u> Fax: <u>713 946 7326</u> E-mail: <u>joseph@houstonplating.com</u>		2. INVOICE TO: <u>LLC</u> Company: <u>Houston Plating & Coatings, LLC</u> Address: <u>PO BOX 418</u> <u>South Houston, TX 77587</u> Contact: <u>Accounts Payable</u> Phone: <u>713 946 8920</u> Fax: <u>713 946 7326</u> E-mail: <u></u>		3. PO# <u>4587</u> 4. Turnaround Time (Business Days) <input type="checkbox"/> Same Day* <input type="checkbox"/> Need by <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> 7 Days * Surcharge applies																																																																																																																																	
A&B JOB ID <u>77068</u> 5. Project #		6. Project Name / Location <u>Neutralized Nuke parts wash liquid 1315A Georgia</u> <u>Cleaner Composite Sample 1315A Georgia South Houston</u>		13. Containers* <u>VOA</u> 14. Preservatives* <u>HC1</u>																																																																																																																																			
7. Special Instructions (PLEASE PRINT) <u>USE TCEQ & EPA approved methods for</u> <input type="checkbox"/> TRRP Limits only <input type="checkbox"/> TRRP Rpt. Package <input type="checkbox"/> See Attached <u>Waste Classification</u>		8. Sampler's Name & Company (PLEASE PRINT) <u>Joseph Stankovich</u> <u>Houston Plating & Coatings, LLC</u> Sampler's Signature & Date <u>12/29/05</u>		15. No. of Containers <u>1</u> 16. Analysis Methods <u>BTEX</u>																																																																																																																																			
9. Sample ID and Description		10. Sampling		11. 12. Matrix																																																																																																																																			
<table border="1"> <thead> <tr> <th>LAB USE ONLY</th> <th>Item</th> <th>Date</th> <th>Time</th> <th>Comp.</th> <th>Grab</th> <th>Water</th> <th>Soil</th> <th>Sludge</th> <th>Oil</th> <th>Air</th> <th>Other</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Neutralized Nuke parts wash</td> <td>12-29-05</td> <td>6:30 AM</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>2</td> <td>Cleaner liquid composite sample</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>1315A Georgia, Container (6)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>Neutralized Nuke parts wash</td> <td>12-29-05</td> <td>6:30 AM</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>6</td> <td>Cleaner liquid composite sample</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>1315A Georgia, Container (7)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		LAB USE ONLY	Item	Date	Time	Comp.	Grab	Water	Soil	Sludge	Oil	Air	Other	1	Neutralized Nuke parts wash	12-29-05	6:30 AM	✓							✓	2	Cleaner liquid composite sample											3	1315A Georgia, Container (6)											4												5	Neutralized Nuke parts wash	12-29-05	6:30 AM	✓							✓	6	Cleaner liquid composite sample											7	1315A Georgia, Container (7)											8												9												10												17. REMARKS	
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18. RELINQUISHED BY <u>Joseph Stankovich</u> DATE <u>12-30-05</u> TIME		19. RECEIVED BY <u>M. G. G. G.</u> DATE <u>12/30/05</u> TIME <u>8:30am</u>		20. KNOWN HAZARDS / COMMENTS																																																																																																																																			
*Containers: <u>VOA - 40 ml vial</u> <u>A/G - Amber/Glass 1 Liter</u> <u>4 oz/8 oz - glass wide mouth</u> <u>P/D - Plastic/other</u>		*Preservatives: <u>C - Cool</u> <u>H - HCl</u> <u>N - HNO₃</u> <u>S - H₂SO₄</u> <u>OH - NaOH</u> <u>T - Na₂S₂O₃</u> <u>X - Other</u>		A&B cannot accept verbal changes Please FAX written changes to 713-453-6091 Samples will be disposed of after 30 days A & B reserves the right to return samples																																																																																																																																			
METHOD OF SHIPMENT <u>Delivered by UPS</u> LAB USE ONLY <u>SAMPLING</u> <u>RENTAL</u> <u>P/U</u>		BILL OF LADING / TRACKING # <u>4587</u>																																																																																																																																					

713-946-8497

CES ENVIRONMENTAL SERVICES, INC.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1361Waste Generator: Houston PlatingWaste Stream Name: Non-hazardous WastewaterExpiration Date: 1/30/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.☐ Please send new profile as waste stream has changed.X Joseph STANKOVICH 12/12/06

Customer Name

X Joseph Stankovich
SignatureX Vice President
TitleX Houston Plating & Coatings, LLC
Company

June 08, 2006

Houston Plating and Coatings
1315 Georgia
South Houston, TX 77011
Phone: (713) 946-8920

Re: Profile #: 1361

To Whom It May Concern:

This letter shall serve as notice that the proper waste code # for the above referenced profile is ~~00202051~~. *00212051 Used DN30 parts wash*

Cleaner, APS 6/13/06
If you have any questions, please do not hesitate to call me at the above listed number.

Thank you,


Joe Stankovich



Sample Condition Checklist

Date: 1/12/2006

Lab ID#: 77068

Date Received: 12/30/2005

Time Received: 8:30AM

Company Name: Houston Plating Company, LLC

Temperature: 4°C		Sample pH: 7 (Metals)											
Check Points													
												Yes	No
1.	Cooler Seal present and signed.											x	
2.	Sample(s) in a cooler.											x	
3.	If yes, ice in cooler											x	
4.	Sample(s) received with chain-of-custody											x	
5.	C-O-C signed and dated.											x	
6.	Sample(s) received with signed sample custody seal.											x	
7.	Sample containers arrived intact (If No comment)											x	
8.	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Samples were received in appropriate container(s)											x	
10.	All samples were tagged or labeled.											x	
11.	Sample ID labels match C-O-C ID's.											x	
12.	Bottle count on C-O-C matches bottles found.											x	
13.	Sample volume is sufficient for analyses requested.											x	
14.	Samples were received within the hold time.											x	
15.	VOA vials completely filled.											x	
16.	Sample accepted.											x	
Comments: Include actions taken to resolve discrepancies/problem:													
Analyst will acidify as needed. Cooler contained temperature blank.													
Received by: Storres													
Check in by/date: Storres / 12/30/2005													

Phone: 713-453-6060

www.ablabs.com

Atten: Dan

CES Environmental Services, Inc.

4904 Griggs Rd.

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

Fax Transmittal

Total Number of Pages (Including cover sheet):

3

Date:

1/26/06

To:

George713-799-8483

From: Dan Bowman

CES Environmental Services, Inc.

Mobile Phone: (713) 854-6150

Notes:

George

Please sign and date pg 2 of 3
and fax back to me. Quote assumes
waste is non-haz. Please also send
the credit application information.
Call me on my cell w/ questions

Dan713-854-6150

TOTAL P.03

Polychlorinated Biphenyls (PCB's): The technical information provided by the manufacturer for all materials in this process provides the chemical makeup of the material to the nearest 0.01% by weight. No polychlorinated biphenyls have been listed on this information and therefore are in concentrations less than 0.01% by weight. Therefore, this material has concentrations of PCB's less than the regulatory limits specified under 40 CFR 761 and 329 IAC 4.

Asbestos: The waste stream generated does not come into contact with any materials containing asbestos.

Free Liquids: The process waste generated is solidified and/or dried before disposal at the landfill and would pass a paint filter test.

Special Waste Classification: This material is classified as a special waste since more than 220 pounds per month are generated from this waste stream. A Special Waste Acceptance Application has been filed at a Republic Landfill.

This information is, to the best of my knowledge, true, accurate and complete.

☒ Generator Signature

☒ Date 1/30/06

☒ Title Operations Manager



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/3/2006

Dear Joe Stankovich

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1361

Generator: Houston Plating

Address: 1315 Georgia, PO Box 418
South Houston, TX 77587

Waste Information

Name of Waste: Non-Hazardous Wastewater

TCEQ Waste Code #: 00202051

Container Type: Truck

Detailed Description of Process Generating Waste:

Nuvat parts washer cleaner and water mixture used in surface preparation for a phosph process.

Color: Varies

Odor: Mild

pH: na

Physical State: Liquid

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001014

Laboratory Analysis Report

Total Number of Pages: 16

Job ID : 95441



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project ID :

Not Neutralized Combination Cleaner & Electro Clean

Report To : Client Name: Houston Plating Company, LLC P.O.#.: 247745
Attn: Joseph Stankovich Sample Collected By: Joseph Stankovich
Client Address: P.O. Box 418 Date Collected: 12/20/07
City, State, Zip: South Houston, Texas, 77587

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Not Neutralized Combination Cleaner & Electro Cleaner-1315 Georgia-Container #1, #2 & #3	Liquid	95441.01

Neutral Parts Washer

*Newest ANALYTICAL
ON Combination
Cleaner
00202051*

Profile 1361

Kathy Danford

Released By: Kathy Danford
Title: Project Manager
Date: 01/03/2008



This Laboratory is NELAP (T104704213-07-TX) accredited.

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.



LABORATORY TEST RESULTS

Date 1/3/2008

Job ID: 95441

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Not Neutralized Combination Cleaner & Electro Clean

Client Sample ID: Not Neutralized Combination Cleaner & Electro

Job Sample ID: 95441.01

Date Collected: Cleaner-1315 Georgia-Container #1, #2 & #3

12/20/07

Sample Matrix: Liquid

Time Collected: 10:00

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date/Time	Analyst
SW-846 1010	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				12/31/07 12:30	KS
SW-846 6010C	TCLP Metals								
	Antimony	0.102	mg/L	1	0.1	1		12/28/07 13:36	RB
	Arsenic	0.499	mg/L	1	0.1	1.8		12/28/07 13:36	RB
	Barium	0.469	mg/L	1	0.1	100.0		12/28/07 13:36	RB
	Beryllium	BRL	mg/L	1	0.08	0.08		12/28/07 13:36	RB
	Cadmium	BRL	mg/L	1	0.1	0.5		12/28/07 13:36	RB
	Chromium	0.146	mg/L	1	0.1	5.0		12/28/07 13:36	RB
	Lead	BRL	mg/L	1	0.1	1.5		12/28/07 13:36	RB
	Nickel	BRL	mg/L	1	0.1	70		12/28/07 13:36	RB
	Selenium	BRL	mg/L	1	0.5	1.0		12/28/07 13:36	RB
	Silver	BRL	mg/L	1	0.1	5.0		12/28/07 13:36	RB
	Vanadium	BRL	mg/L	1	0.1	30		12/28/07 13:36	RB
SW-846 7.3	Reactive Cyanide	BRL	mg/L	1	25			12/21/07 14:50	KS
SW-846 7.3	Reactive Sulfide	BRL	mg/L	1	25			12/21/07 14:50	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		12/27/07 15:08	RB
SW-846 8260B	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		12/26/07 18:21	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		12/26/07 18:21	HW
	Benzene	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70		12/26/07 18:21	HW
	Chloroform	BRL	mg/L	1	0.13	6		12/26/07 18:21	HW
	MEK	BRL	mg/L	1	0.13	200		12/26/07 18:21	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		12/26/07 18:21	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		12/26/07 18:21	HW
	1,2-Dichloroethane-d4(surr)	96.9	%	1	70-130			12/26/07 18:21	HW
	Dibromofluoromethane(surr)	4.77	%	1	70-130		S6	12/26/07 18:21	HW
	p-Bromofluorobenzene(surr)	108	%	1	70-130			12/26/07 18:21	HW
	Toluene-d8(surr)	99.6	%	1	70-130			12/26/07 18:21	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	4	0.2	7.5	D1	12/27/07 14:22	ML



LABORATORY TEST RESULTS

Job ID: 95441

Date 1/3/2008

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Not Neutralized Combination Cleaner & Electro Clean

Client Sample ID: Not Neutralized Combination Cleaner & Electro

Job Sample ID: 95441.01

Date Collected: Cleaner-1315 Georgia-Container #1, #2 & #3

12/20/07

Sample Matrix: Liquid

Time Collected: 10:00

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date/Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4,5-Trichlorophenol	BRL	mg/L	4	0.2	400		12/27/07 14:22	ML
	2,4,6-Trichlorophenol	BRL	mg/L	4	0.2	2		12/27/07 14:22	ML
	2,4-Dinitrotoluene	BRL	mg/L	4	0.2	0.13		12/27/07 14:22	ML
	2-Methylphenol	BRL	mg/L	4	0.2	200		12/27/07 14:22	ML
	3- & 4-Methylphenols	BRL	mg/L	4	0.2	200		12/27/07 14:22	ML
	Hexachlorobenzene	BRL	mg/L	4	0.2	0.13		12/27/07 14:22	ML
	Hexachlorobutadiene	BRL	mg/L	4	0.2	0.4		12/27/07 14:22	ML
	Hexachloroethane	BRL	mg/L	4	0.2	3		12/27/07 14:22	ML
	Nitrobenzene	BRL	mg/L	4	0.2	2		12/27/07 14:22	ML
	Pentachlorophenol	BRL	mg/L	4	5	100		12/27/07 14:22	ML
	Pyridine	BRL	mg/L	4	0.2	4		12/27/07 14:22	ML
	2,4,6-Tribromophenol(surr)	26	%	4	10-120			12/27/07 14:22	ML
	2-Fluorobiphenyl(surr)	40.7	%	4	30-115			12/27/07 14:22	ML
	2-Fluorophenol(surr)	37.4	%	4	15-111			12/27/07 14:22	ML
	Nitrobenzene-d5(surr)	41.6	%	4	20-120			12/27/07 14:22	ML
	Phenol-d6(surr)	37.5	%	4	15-120			12/27/07 14:22	ML
	p-Terphenyl-d14(surr)	43.2	%	4	18-137			12/27/07 14:22	ML
SW-846 9040C	Corrosivity, pH								
	pH	13.15	s.u.					12/21/07 15:30	KS
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12	BRL	mg/L	10	13.2			12/26/07 18:02	HK
	>C12-C28	241	mg/L	10	37.1			12/26/07 18:02	HK
	>C28-C35	286	mg/L	10	23			12/26/07 18:02	HK
	Total C6-C35	527	mg/L	10				12/26/07 18:02	HK
	1-Chlorooctane(surr)	N/A	%	10	62-121		S4	12/26/07 18:02	HK
	Chlorooctadecane(surr)	N/A	%	10	62-121		S4	12/26/07 18:02	HK

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Method : SW-846 7.3 Reporting Units : mg/L

QC Batch ID : Qb07122116 Created Date : 12/21/07 Created By : Ksudha

Samples in This QC Batch : 95441.01

Sample Preparation : PB07122617 Prep Method : SW-846 7.3 Prep Date : 12/21/07 14:45 Prep By : Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Reactive Sulfide		BRL	mg/L	1	25	

QC Type: Duplicate

QC Sample ID: 95256.01

Parameter	QCSample Result	Sample Result	Units	RPD	CtrlLimit	Qual
Reactive Sulfide	BRL	BRL	mg/L	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	750	640	85.3	750	600	80	6.45	20	40-110	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Method : SW-846 7.3 Reporting Units : mg/L

QC Batch ID : Qb07122118 Created Date : 12/26/07 Created By : Ksudha

Samples in This QC Batch : 95441.01

Sample Preparation : PB07122618 Prep Method : SW-846 7.3 Prep Date : 12/21/07 14:45 Prep By : Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Reactive Cyanide		BRL	mg/L	1	25	

QC Type: Duplicate

QC Sample ID: 95256.01

Parameter	QC Sample Result	Sample Result	Units	RPD	CtrlLimit	Qual
Reactive Cyanide	BRL	BRL	mg/L		20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	5.0	2.95	59	5.0	2.82	56.4	4.51	20	40-110	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Corrosivity, pH

Method : SW-846 9040C

Reporting Units : s.u.

QC Batch ID : Qb07122613 Created Date : 12/21/07

Created By : Ksudha

Samples in This QC Batch : 95441.01

QC Type: Duplicate							
QC Sample ID: 95441.01							
Parameter	QC Sample Result	Sample Result	Units	RPD	Ctrl Limit		Qual
pH	13.17	13.15	s.u.	0.15	5		

QC Type: LCS and LCSD							
Parameter	LCS Assigned	LCS Result	LCSD Assigned	LCSD Result	RPD	Ctrl Limit	Tolerance
pH	4.00	3.97					3.95-4.05

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP VOC

Method : SW-846 8260B

Reporting Units : mg/L

QC Batch ID : Qb07122701

Created Date : 12/26/07

Created By : Whuimei

Samples in This QC Batch : 95441.01

Sample Preparation : PB07122701

Prep Method : SW-846 5030C

Prep Date : 12/26/07 15:00

Prep By : Whuimei

TCLP Prep : PB07122616

Prep Method : SW-846 1311

Prep Date : 12/26/07 15:00

Prep By : Bstone

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13	
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13	
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15	
Benzene	71-43-2	BRL	mg/L	1	0.13	
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13	
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15	
Chloroform	67-66-3	BRL	mg/L	1	0.13	
MEK	78-93-3	BRL	mg/L	1	0.13	
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16	
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13	
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.1	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.500	0.526	105	0.500	0.503	101	4.47	25	70-130	
Benzene	0.500	0.524	105	0.500	0.521	104	0.57	25	70-130	
Chlorobenzene	0.500	0.486	97.2	0.500	0.481	96.2	1.03	25	70-130	
MEK	0.500	0.581	116	0.500	0.487	97.4	17.6	25	70-130	
Trichloroethylene	0.500	0.520	104	0.500	0.518	104	0.38	25	70-130	

QC Type: MS and MSD

QC Sample ID: 95441.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.500	0.953	191						70-130	M1
Benzene	BRL	0.500	0.532	106						70-130	
Chlorobenzene	BRL	0.500	0.500	100						70-130	
MEK	BRL	0.500	0.950	190						70-130	M1
Trichloroethylene	BRL	0.500	1.12	224						70-130	M1

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP Metals, Mercury

Method : SW-846 7470A

Reporting Units : mg/L

QC Batch ID : Qb07122719

Created Date : 12/27/07

Created By : Rbairamadgi

Samples in This QC Batch : 95441.01

Digestion :

PB07122715

Prep Method : SW-846 7470A

Prep Date : 12/27/07 08:15

Prep By : Rbairamadgi

TCLP Prep :

PB07122616

Prep Method : SW-846 1311

Prep Date : 12/26/07 15:00

Prep By : Bstone

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Mercury	7439-97-6	BRL	mg/L	1	0.002	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0052	104	0.005	0.0052	104	0	35	71-143	

QC Type: MS and MSD

QC Sample ID: 95408.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0052	104						61-175	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP Semivolatiles

Method : SW-846 8270D

Reporting Units : mg/L

QC Batch ID : Qb07122721

Created Date : 12/27/07

Created By : Mli

Samples in This QC Batch : 95441.01

Extraction : PB07122703

Prep Method : SW-846 3510C

Prep Date : 12/27/07 08:00 Prep By : Lwang

TCLP Prep : PB07122616

Prep Method : SW-846 1311

Prep Date : 12/26/07 15:00 Prep By : Bstone

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05	
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05	
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05	
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05	
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05	
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.05	
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05	
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05	
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05	
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05	
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25	
Pyridine	110-861	BRL	mg/L	1	0.05	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,4-Dichlorobenzene	0.250	0.143	57.2	0.250	0.144	57.6	0.69	35	24-134	
2,4,5-Trichlorophenol	0.250	0.147	58.8	0.250	0.152	60.8	3.34	35	6-115	
2,4,6-Trichlorophenol	0.250	0.133	53.2	0.250	0.128	51.2	3.83	35	40-138	
2,4-Dinitrotoluene	0.250	0.144	57.6	0.250	0.130	52	10.2	35	32-114	
2-Methylphenol	0.250	0.141	56.4	0.250	0.138	55.2	2.15	35	6-132	
3- & 4-Methylphenols	0.500	0.262	52.4	0.500	0.257	51.4	1.93	35	29-132	
Hexachlorobenzene	0.250	0.153	61.2	0.250	0.161	64.4	5.10	35	44-142	
Hexachlorobutadiene	0.250	0.125	50	0.250	0.127	50.8	1.59	35	20-124	
Hexachloroethane	0.250	0.146	58.4	0.250	0.142	56.8	2.78	35	14-136	
Nitrobenzene	0.250	0.160	64	0.250	0.156	62.4	2.53	35	38-146	
Pentachlorophenol	0.250	0.153	61.2	0.250	0.134	53.6	13.2	35	25-125	
Pyridine	0.250	0.094	37.6	0.250	0.086	34.4	8.89	35	6-112	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Total Petroleum Hydrocarbons Method : TX 1005 Reporting Units : mg/L

QC Batch ID : Qb07122808 Created Date : 12/26/07 Created By : Hkhuc

Samples in This QC Batch : 95441.01

Sample Preparation : PB07122804 Prep Method : TX 1005 Prep Date : 12/24/07 10:00 Prep By : Hkhuc

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
C6-C12		BRL	mg/L	1	1.32	
>C12-C28		BRL	mg/L	1	3.71	
>C28-C35		BRL	mg/L	1	2.3	
Total C6-C35		BRL	mg/L	1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	43	44.8	104	43	45	105	0.44	20	75-125	
>C12-C28	43	47.2	110	43	46.2	107	2.14	20	75-125	
>C28-C35	43	41.7	97	43	40.9	95.1	1.94	20	75-125	

QC Type: MS and MSD

QC Sample ID: 95452.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	43	47.1	110						75-125	
>C12-C28	BRL	43	52.1	118						75-125	
>C28-C35	BRL	43	39.3	91.4						75-125	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP Metals

Method : SW-846 6010C

Reporting Units : mg/L

QC Batch ID : Qb07122811 Created Date : 12/28/07

Created By : Rbairamadgi

Samples in This QC Batch : 95441,01

Digestion : PB07122806

Prep Method : SW-846 3010A

Prep Date : 12/28/07 08:00 Prep By : Rbairamadgi

TCLP Prep : PB07122616

Prep Method : SW-846 1311

Prep Date : 12/26/07 15:00 Prep By : Bstone

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Antimony	7440-36-0	BRL	mg/L	1	0.1	
Arsenic	7440-38-2	BRL	mg/L	1	0.1	
Barium	7440-39-3	BRL	mg/L	1	0.1	
Beryllium	7440-41-7	BRL	mg/L	1	0.08	
Cadmium	7440-43-9	BRL	mg/L	1	0.1	
Chromium	7440-47-3	BRL	mg/L	1	0.1	
Lead	7439-92-1	BRL	mg/L	1	0.1	
Nickel	7440-02-0	BRL	mg/L	1	0.1	
Selenium	7782-49-2	BRL	mg/L	1	0.5	
Silver	7440-22-4	BRL	mg/L	1	0.1	
Vanadium	7440-62-2	BRL	mg/L	1	0.1	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	1	0.997	99.7	1	1.03	103	3.26	20	80-120	
Arsenic	1	1.02	102	1	1.06	106	3.85	20	80-120	
Barium	1	1.01	101	1	1.05	105	3.88	20	80-120	
Beryllium	1	0.929	92.9	1	0.944	94.4	1.60	20	80-120	
Cadmium	1	1.04	104	1	1.07	107	2.84	20	80-120	
Chromium	1	0.903	90.3	1	0.928	92.8	2.73	20	80-120	
Lead	1	0.908	90.8	1	0.923	92.3	1.64	20	80-120	
Nickel	1	0.917	91.7	1	0.939	93.9	2.37	20	80-120	
Selenium	1	1.01	101	1	1.06	106	4.83	20	80-120	
Silver	1	0.954	95.4	1	0.982	98.2	2.89	20	80-120	
Vanadium	1	0.930	93	1	0.958	95.8	2.97	20	80-120	

QC Type: MS and MSD

QC Sample ID: 95408.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	CtrlLimit	%Rec CtrlLimit	Qual
Antimony	BRL	2	2.05	103						70-130	
Arsenic	BRL	2	2.10	104						45-138	
Barium	0.270	2	2.25	99						39-135	
Beryllium	BRL	2	1.91	95.4						70-130	
Cadmium	BRL	2	2.03	102						56-125	
Chromium	0.739	2	2.60	93.1						52-125	
Lead	BRL	2	1.84	92						55-125	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP Metals

Method : SW-846 6010C

Reporting Units : mg/L

QC Batch ID : Qb07122811

Created Date : 12/28/07

Created By : Rbairamadgi

Samples in This QC Batch : 95441.01

QC Type: MS and MSD

QC Sample ID: 95408.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nickel	5.12	2	6.92	90						70-130	
Selenium	BRL	2	2.09	102						70-130	
Silver	BRL	2	1.95	97.5						26-148	
Vanadium	BRL	2	1.92	96						70-125	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Ignitability (Flash Point)

Method : SW-846 1010

Reporting Units : °F

QC Batch ID : Qb07123114 Created Date : 12/31/07

Created By : Ksudha

Samples in This QC Batch : 95441.01

QC Type: Duplicate

QC Sample ID: 95441.01

Parameter	QCSample Result	Sample Result	Units	RPD	CtrlLimit	Qual
Ignitability	>150	>150	°F		20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	85	102	83	84	101	1.18	20	75-125	

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 95441

Date: 1/3/2008

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition


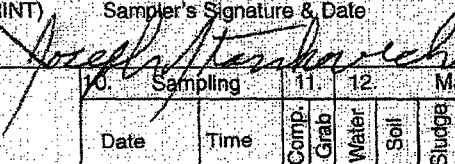
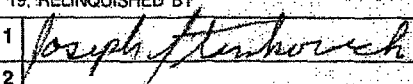
D1	Sample required dilution due to matrix effects.
M1	MS/MSD recovery is high, LCS/LCSD recovery is acceptable.
S4	Surrogate not available due to dilution of sample extract for quantification.
S6	Surrogate recovery is outside control limits due to matrix effects.

A & B Labs

Chain of Custody

The Chain of Custody is a Legal Document

Page 1 of 1

 10100 East Fwy. (I-10), Ste. 100 Houston, TX 77029 713-453-6060 713-453-6091 Fax ablabs.com		1. REPORT TO: HOUSTON Plating+Coatings, LLC Address: P.O. Box 418 South Houston, TX 77587 Contact: Joseph Stankovich Phone: 713-946-8920 Fax: 713-946-7326 E-mail: joes@houstonplating.com		2. INVOICE TO: HOUSTON Plating+Coatings, LLC Address: P.O. Box 418 South Houston, TX 77587 Contact: Accounts Payable Phone: 713-946-8920 Fax: 713-946-7326 E-mail:		3. PO# 247745	
A&B JOB ID # 95441		4. Turnaround Time (Business Days) <input type="checkbox"/> 1 Day* <input type="checkbox"/> Other <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input type="checkbox"/> 4 Days* <input type="checkbox"/> 10 Days - Standard * Surcharge applies		5. Project #		6. Project Name / Location Not Neutralized combination cleaner and electro-cleaner - 1315 Georgia	
7. Reporting Requirement: <input type="checkbox"/> TRRP Limits only <input type="checkbox"/> TRRP Rpt. Package <input type="checkbox"/> See Attached <input type="checkbox"/> Standard Level II		8. Sampler's Name & Company (PLEASE PRINT) JOSEPH STANKOVICH HOUSTON Plating+Coatings, LLC		Sampler's Signature & Date 		13. Containers* 14. Preservatives** 15. pH-Lab Only 16. pH-Lab Only 17.	
9. Sample ID and Description Not Neutralized combination cleaner & electro-cleaner - 1315 Georgia Container #1		10. Sampling Date Time Comp. Grab Water Soil Sludge Oil Air Other		11. Matrix 12.		18. REMARKS liquid sample ICE	
19. RELINQUISHED BY 1  12-21-07		20. RECEIVED BY Reid Barry 12/21/07 2:00pm		22. KNOWN HAZARDS / COMMENTS Corrosive		21. RECEIVED BY LABORATORY:	
*Containers: VOA - 40 ml vial 4 oz/8 oz - glass wide-mouth A/G - Amber/Glass 1 Liter P/O - Plastic/other		**Preservatives: C - Cool OH - NaOH H - HCl T - Na ₂ S ₂ O ₃ N - HNO ₃ X - Other S - H ₂ SO ₄		Temperature: 0.9 °C Intact: Y or N		A&B cannot accept verbal changes Please FAX written changes to 713-453-6091 Samples will be disposed of after 30 days A & B reserves the right to return samples	
METHOD OF SHIPMENT Delivered by JPS		BILL OF LADING / TRACKING # 247745		LAB USE ONLY		SAMPLING RENTAL P/U	

WHITE COPY: ORIGINAL REPORT - YELLOW COPY: FILE - PINK COPY: INVOICING - GOLD COPY: CLIENT

EPAHQ112001029

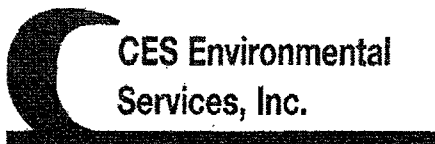


Sample Condition Checklist

Date : 12/21/07

A&B JobID : 95441		Date Received : 12/21/2007		Time Received : 02:00 PM								
Client Name : Houston Plating Company, LLC												
Temperature : 0.9°C		Sample pH : N/A										
	Check Points										Yes	No
1.	Cooler seal present and signed.										X	
2.	Sample(s) in a cooler.										X	
3.	If yes, Ice in cooler.										X	
4.	Sample(s) received with chain-of-custody.										X	
5.	C-O-C signed and dated.										X	
6.	Sample(s) received with signed sample custody seal.										X	
7.	Sample containers arrived intact. (If no comment).										X	
8.	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Sample were received in appropriate container(s).										X	
10.	All samples were logged or labeled.										X	
11.	Sample ID labels match C-O-C ID's										X	
12.	Bottle count on C-O-C matches bottles found.										X	
13.	Sample volume is sufficient for analyses requested.										X	
14.	Samples were received within the hold time.										X	
15.	VOA vials completely filled.										X	
16.	Sample accepted.										X	
Comments : Include actions taken to resolve discrepancies/problem:												

Received by : Rgamez		Check in by/date : Rgamez / 12/21/2007	
----------------------	--	--	--



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1361

Customer: Houston Plating & Coatings LLC

Waste Generator: Houston Plating & Coatings LLC

Waste Stream Name: Non-Hazardous Wastewater

Expiration Date: 1/30/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Joseph STANKOVICH
Customer Name

Joseph A. Tankovich
Signature

Houston Plating & Coatings, LLC
Company / Title

Date

2/16/09

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Laboratory Analysis Report

Total Number of Pages: 16

Job ID : 95441



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-8060, fax: 713-453-8091, <http://www.ablabs.com>

Client Project ID :

Not Neutralized Combination Cleaner & Electro Clean

Report To: Client Name: Houston Plating Company, LLC P.O.#.: 247745
Attn: Joseph Stankovich Sample Collected By: Joseph Stankovich
Client Address: P.O. Box 418 Date Collected: 12/20/07
City, State, Zip: South Houston, Texas, 77587

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Not Neutralized Combination Cleaner & Electro Cleaner-1315 Georgia-Container #1, #2 & #3	Liquid	95441.01

Newest ANALYTICAL
ON Combination
Cleaner
00202051
NOT Neutralized
yet

A handwritten signature in black ink, appearing to read 'Kathy Danford'.

Released By: Kathy Danford
Title: Project Manager
Date: 01/03/2008



This Laboratory is NELAP (T104704213-07-TX) accredited.

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.



LABORATORY TEST RESULTS

Job ID: 95441

Date: 1/3/2008

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Not Neutralized Combination Cleaner & Electro Clean

Client Sample ID: Not Neutralized Combination Cleaner & Electro

Job Sample ID: 95441.01

Date Collected: Cleaner-1315 Georgia-Container #1, #2 & #3

12/20/07

Sample Matrix: Liquid

Time Collected: 10:00

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				12/31/07 12:30	KS
SW-846 6010C	TCLP Metals								
	Antimony	0.102	mg/L	1	0.1	1		12/28/07 13:36	RB
	Arsenic	0.499	mg/L	1	0.1	1.8		12/28/07 13:36	RB
	Barium	0.469	mg/L	1	0.1	100.0		12/28/07 13:36	RB
	Beryllium	BRL	mg/L	1	0.08	0.08		12/28/07 13:36	RB
	Cadmium	BRL	mg/L	1	0.1	0.5		12/28/07 13:36	RB
	Chromium	0.146	mg/L	1	0.1	5.0		12/28/07 13:36	RB
	Lead	BRL	mg/L	1	0.1	1.5		12/28/07 13:36	RB
	Nickel	BRL	mg/L	1	0.1	70		12/28/07 13:36	RB
	Selenium	BRL	mg/L	1	0.5	1.0		12/28/07 13:36	RB
	Silver	BRL	mg/L	1	0.1	5.0		12/28/07 13:36	RB
	Vanadium	BRL	mg/L	1	0.1	30		12/28/07 13:36	RB
SW-846 7.3	Reactive Cyanide	BRL	mg/L	1	25			12/21/07 14:50	KS
SW-846 7.3	Reactive Sulfide	BRL	mg/L	1	25			12/21/07 14:50	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		12/27/07 15:08	RB
SW-846 8260B	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		12/26/07 18:21	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		12/26/07 18:21	HW
	Benzene	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70		12/26/07 18:21	HW
	Chloroform	BRL	mg/L	1	0.13	6		12/26/07 18:21	HW
	MEK	BRL	mg/L	1	0.13	200		12/26/07 18:21	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		12/26/07 18:21	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		12/26/07 18:21	HW
	1,2-Dichloroethane-d4(surr)	96.9	%	1	70-130			12/26/07 18:21	HW
	Dibromofluoromethane(surr)	4.77	%	1	70-130		S6	12/26/07 18:21	HW
	p-Bromofluorobenzene(surr)	108	%	1	70-130			12/26/07 18:21	HW
	Toluene-d8(surr)	99.6	%	1	70-130			12/26/07 18:21	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	4	0.2	7.5	D1	12/27/07 14:22	ML



LABORATORY TEST RESULTS

Job ID: 95441

Date 1/3/2008

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Not Neutralized Combination Cleaner & Electro Clean

Client Sample ID: Not Neutralized Combination Cleaner & Electro

Job Sample ID: 95441.01

Date Collected: Cleaner-1315 Georgia-Container #1, #2 & #3

12/20/07

Sample Matrix: Liquid

Time Collected: 10:00

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4,5-Trichlorophenol	BRL	mg/L	4	0.2	400		12/27/07 14:22	ML
	2,4,6-Trichlorophenol	BRL	mg/L	4	0.2	2		12/27/07 14:22	ML
	2,4-Dinitrotoluene	BRL	mg/L	4	0.2	0.13		12/27/07 14:22	ML
	2-Methylphenol	BRL	mg/L	4	0.2	200		12/27/07 14:22	ML
	3- & 4-Methylphenols	BRL	mg/L	4	0.2	200		12/27/07 14:22	ML
	Hexachlorobenzene	BRL	mg/L	4	0.2	0.13		12/27/07 14:22	ML
	Hexachlorobutadiene	BRL	mg/L	4	0.2	0.4		12/27/07 14:22	ML
	Hexachloroethane	BRL	mg/L	4	0.2	3		12/27/07 14:22	ML
	Nitrobenzene	BRL	mg/L	4	0.2	2		12/27/07 14:22	ML
	Pentachlorophenol	BRL	mg/L	4	5	100		12/27/07 14:22	ML
	Pyridine	BRL	mg/L	4	0.2	4		12/27/07 14:22	ML
	2,4,6-Tribromophenol(surr)	26	%	4	10-120			12/27/07 14:22	ML
	2-Fluorobiphenyl(surr)	40.7	%	4	30-115			12/27/07 14:22	ML
	2-Fluorophenol(surr)	37.4	%	4	15-111			12/27/07 14:22	ML
	Nitrobenzene-d5(surr)	41.6	%	4	20-120			12/27/07 14:22	ML
	Phenol-d6(surr)	37.5	%	4	15-120			12/27/07 14:22	ML
	p-Terphenyl-d14(surr)	43.2	%	4	18-137			12/27/07 14:22	ML
SW-846 9040C	Corrosivity, pH								
	pH	13.15	s.u.					12/21/07 15:30	KS
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12	BRL	mg/L	10	13.2			12/26/07 18:02	HK
	>C12-C28	241	mg/L	10	37.1			12/26/07 18:02	HK
	>C28-C35	286	mg/L	10	23			12/26/07 18:02	HK
	Total C6-C35	527	mg/L	10				12/26/07 18:02	HK
	1-Chlorooctane(surr)	N/A	%	10	62-121		S4	12/26/07 18:02	HK
	Chlorooctadecane(surr)	N/A	%	10	62-121		S4	12/26/07 18:02	HK

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Method : SW-846 7.3 Reporting Units : mg/L

QC Batch ID : Qb07122116 Created Date : 12/21/07 Created By : Ksudha

Samples in This QC Batch : 95441.01

Sample Preparation : PB07122617 Prep Method : SW-846 7.3 Prep Date : 12/21/07 14:45 Prep By : Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Reactive Sulfide		BRL	mg/L	1	25	

QC Type: Duplicate

QC Sample ID: 95256.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
Reactive Sulfide	BRL	BRL	mg/L		20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	750	640	85.3	750	600	80	6.45	20	40-110	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Method : SW-846 7.3 Reporting Units : mg/L

QC Batch ID : Qb07122118 Created Date : 12/26/07 Created By : Ksudha

Samples in This QC Batch : 95441.01

Sample Preparation : PB07122618 Prep Method : SW-846 7.3 Prep Date : 12/21/07 14:45 Prep By : Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Reactive Cyanide		BRL	mg/L	1	25	

QC Type: Duplicate

QC Sample ID: 95256.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
Reactive Cyanide	BRL	BRL	mg/L		20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	5.0	2.95	59	5.0	2.82	56.4	4.51	20	40-110	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Corrosivity, pH Method : SW-846 9040C Reporting Units : s.u.

QC Batch ID : Qb07122613 Created Date : 12/21/07 Created By : Ksudha

Samples in This QC Batch : 95441.01

QC Type: Duplicate

QC Sample ID: 95441.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
pH	13.17	13.15	s.u.	0.15	5	

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result	LCSD Assigned	LCSD Result	RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.00	3.97					3.95-4.05	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP VOC Method : SW-846 8260B Reporting Units : mg/L

QC Batch ID : Qb07122701 Created Date : 12/26/07 Created By : Whuimei

Samples in This QC Batch : 95441.01

Sample Preparation : PB07122701 Prep Method : SW-846 5030C Prep Date : 12/26/07 15:00 Prep By : Whuimei
TCLP Prep : PB07122616 Prep Method : SW-846 1311 Prep Date : 12/26/07 15:00 Prep By : Bstone

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13	
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13	
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15	
Benzene	71-43-2	BRL	mg/L	1	0.13	
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13	
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15	
Chloroform	67-66-3	BRL	mg/L	1	0.13	
MEK	78-93-3	BRL	mg/L	1	0.13	
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16	
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13	
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.1	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.500	0.526	105	0.500	0.503	101	4.47	25	70-130	
Benzene	0.500	0.524	105	0.500	0.521	104	0.57	25	70-130	
Chlorobenzene	0.500	0.486	97.2	0.500	0.481	96.2	1.03	25	70-130	
MEK	0.500	0.581	116	0.500	0.487	97.4	17.6	25	70-130	
Trichloroethylene	0.500	0.520	104	0.500	0.518	104	0.38	25	70-130	

QC Type: MS and MSD

QC Sample ID: 95441.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.500	0.953	191						70-130	M1
Benzene	BRL	0.500	0.532	106						70-130	
Chlorobenzene	BRL	0.500	0.500	100						70-130	
MEK	BRL	0.500	0.950	190						70-130	M1
Trichloroethylene	BRL	0.500	1.12	224						70-130	M1

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP Metals, Mercury Method : SW-846 7470A Reporting Units : mg/L

QC Batch ID : Qb07122719 Created Date : 12/27/07 Created By : Rbairamadgi

Samples in This QC Batch : 95441:01

Digestion : PB07122715 Prep Method : SW-846 7470A Prep Date : 12/27/07 08:15 Prep By : Rbairamadgi
 TCLP Prep : PB07122616 Prep Method : SW-846 1311 Prep Date : 12/26/07 15:00 Prep By : Bstone

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Mercury	7439-97-6	BRL	mg/L	1	0.002	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0052	104	0.005	0.0052	104	0	35	71-143	

QC Type: MS and MSD

QC Sample ID: 95408.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0052	104						61-175	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP Semivolatiles

Method : SW-846 8270D

Reporting Units : mg/L

QC Batch ID : Qb07122721

Created Date : 12/27/07

Created By : Mli

Samples in This QC Batch : 95441.01

Extraction : PB07122703

Prep Method : SW-846 3510C

Prep Date : 12/27/07 08:00 Prep By : Lwang

TCLP Prep : PB07122616

Prep Method : SW-846 1311

Prep Date : 12/26/07 15:00 Prep By : Bstone

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05	
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05	
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05	
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05	
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05	
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.05	
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05	
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05	
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05	
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05	
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25	
Pyridine	110-861	BRL	mg/L	1	0.05	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,4-Dichlorobenzene	0.250	0.143	57.2	0.250	0.144	57.6	0.69	35	24-134	
2,4,5-Trichlorophenol	0.250	0.147	58.8	0.250	0.152	60.8	3.34	35	6-115	
2,4,6-Trichlorophenol	0.250	0.133	53.2	0.250	0.128	51.2	3.83	35	40-138	
2,4-Dinitrotoluene	0.250	0.144	57.6	0.250	0.130	52	10.2	35	32-114	
2-Methylphenol	0.250	0.141	56.4	0.250	0.138	55.2	2.15	35	6-132	
3- & 4-Methylphenols	0.500	0.262	52.4	0.500	0.257	51.4	1.93	35	29-132	
Hexachlorobenzene	0.250	0.153	61.2	0.250	0.161	64.4	5.10	35	44-142	
Hexachlorobutadiene	0.250	0.125	50	0.250	0.127	50.8	1.59	35	20-124	
Hexachloroethane	0.250	0.146	58.4	0.250	0.142	56.8	2.78	35	14-136	
Nitrobenzene	0.250	0.160	64	0.250	0.156	62.4	2.53	35	38-146	
Pentachlorophenol	0.250	0.153	61.2	0.250	0.134	53.6	13.2	35	25-125	
Pyridine	0.250	0.094	37.6	0.250	0.086	34.4	8.89	35	6-112	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Total Petroleum Hydrocarbons	Method : TX 1005	Reporting Units : mg/L
QC Batch ID : Qb07122808	Created Date : 12/26/07	Created By : Hkhuc
Samples in This QC Batch : 95441.01		
Sample Preparation : PB07122804	Prep Method : TX 1005	Prep Date : 12/24/07 10:00 Prep By : Hkhuc

QC Type: Method Blank							
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
C6-C12		BRL	mg/L	1	1.32		
>C12-C28		BRL	mg/L	1	3.71		
>C28-C35		BRL	mg/L	1	2.3		
Total C6-C35		BRL	mg/L	1			

QC Type: LCS and LCSD										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	43	44.8	104	43	45	105	0.44	20	75-125	
>C12-C28	43	47.2	110	43	46.2	107	2.14	20	75-125	
>C28-C35	43	41.7	97	43	40.9	95.1	1.94	20	75-125	

QC Type: MS and MSD											
QC Sample ID: 95452.01											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	43	47.1	110						75-125	
>C12-C28	BRL	43	52.1	118						75-125	
>C28-C35	BRL	43	39.3	91.4						75-125	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP Metals Method : SW-846 6010C Reporting Units : mg/L

QC Batch ID : Qb07122811 Created Date : 12/28/07 Created By : Rbairamadgi

Samples in This QC Batch : 95441.01

Digestion : PB07122806 Prep Method : SW-846 3010A Prep Date : 12/28/07 08:00 Prep By : Rbairamadgi
TCLP Prep : PB07122616 Prep Method : SW-846 1311 Prep Date : 12/26/07 15:00 Prep By : Bstone

QC Type: Method Blank							
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Antimony	7440-36-0	BRL	mg/L	1	0.1		
Arsenic	7440-38-2	BRL	mg/L	1	0.1		
Barium	7440-39-3	BRL	mg/L	1	0.1		
Beryllium	7440-41-7	BRL	mg/L	1	0.08		
Cadmium	7440-43-9	BRL	mg/L	1	0.1		
Chromium	7440-47-3	BRL	mg/L	1	0.1		
Lead	7439-92-1	BRL	mg/L	1	0.1		
Nickel	7440-02-0	BRL	mg/L	1	0.1		
Selenium	7782-49-2	BRL	mg/L	1	0.5		
Silver	7440-22-4	BRL	mg/L	1	0.1		
Vanadium	7440-62-2	BRL	mg/L	1	0.1		

QC Type: LCS and LCSD										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	1	0.997	99.7	1	1.03	103	3.26	20	80-120	
Arsenic	1	1.02	102	1	1.06	106	3.85	20	80-120	
Barium	1	1.01	101	1	1.05	105	3.88	20	80-120	
Beryllium	1	0.929	92.9	1	0.944	94.4	1.60	20	80-120	
Cadmium	1	1.04	104	1	1.07	107	2.84	20	80-120	
Chromium	1	0.903	90.3	1	0.928	92.8	2.73	20	80-120	
Lead	1	0.908	90.8	1	0.923	92.3	1.64	20	80-120	
Nickel	1	0.917	91.7	1	0.939	93.9	2.37	20	80-120	
Selenium	1	1.01	101	1	1.06	106	4.83	20	80-120	
Silver	1	0.954	95.4	1	0.982	98.2	2.89	20	80-120	
Vanadium	1	0.930	93	1	0.958	95.8	2.97	20	80-120	

QC Type: MS and MSD											
QC Sample ID: 95408.01											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony	BRL	2	2.05	103						70-130	
Arsenic	BRL	2	2.10	104						45-138	
Barium	0.270	2	2.25	99						39-135	
Beryllium	BRL	2	1.91	95.4						70-130	
Cadmium	BRL	2	2.03	102						56-125	
Chromium	0.739	2	2.60	93.1						52-125	
Lead	BRL	2	1.84	92						55-125	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : TCLP Metals

Method : SW-846 6010C

Reporting Units : mg/L

QC Batch ID : Qb07122811

Created Date : 12/28/07

Created By : Rbairamadj

Samples in This QC Batch : 95441.01

QC Type: MS and MSD

QC Sample ID: 95408.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nickel	5.12	2	6.92	90						70-130	
Selenium	BRL	2	2.09	102						70-130	
Silver	BRL	2	1.95	97.5						26-148	
Vanadium	BRL	2	1.92	96						70-125	

QUALITY CONTROL CERTIFICATE



Job ID : 95441

Date : 1/3/2008

Analysis : Ignitability (Flash Point)

Method : SW-846 1010

Reporting Units : °F

QC Batch ID : Qb07123114 Created Date : 12/31/07

Created By : Ksudha

Samples in This QC Batch : 95441.01

QC Type: Duplicate

QC Sample ID: 95441.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
Ignitability	>150	>150	°F		20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	85	102	83	84	101	1.18	20	75-125	

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 95441


Date: 1/3/2008

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

D1	Sample required dilution due to matrix effects.
M1	MS/MSD recovery is high, LCS/LCSD recovery is acceptable.
S4	Surrogate not available due to dilution of sample extract for quantification.
S6	Surrogate recovery is outside control limits due to matrix effects.

 10100 East Fwy. (I-10), Ste. 100 Houston, TX 77029 713-453-6060 713-453-6091 Fax ablabs.com		1. REPORT TO:		2. INVOICE TO:		3. PO#	
		Houston Plating & Coatings, LLC Address: P.O. Box 418 South Houston, TX 77587 Contact: Joseph Stankovich Phone: 713-946-8920 Fax: 713-946-7326 E-mail: joes@houstonplating.com		Houston Plating & Coatings, LLC Address: P.O. Box 418 South Houston, TX 77587 Contact: Accounts Payable Phone: 713-946-8920 Fax: 713-946-7326 E-mail:		247745	
A&B JOB ID # 95441		5. Project #		4. Turnaround Time (Business Days)		<input type="checkbox"/> 1 Day* <input type="checkbox"/> Other <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> 4 Days <input type="checkbox"/> 10 Days - Standard	
6. Project Name / Location		7. Reporting Requirement:		13. Containers*		14. Preservatives**	
Not Neutralized combination cleaner and electro cleaner - 1315 Georgia		Please use EPA/TCER approved methods for waste classification. <input type="checkbox"/> TRRP Limits only <input type="checkbox"/> TRRP Rpt. Package <input type="checkbox"/> See Attached <input type="checkbox"/> Standard Level II		15. pH-Lab Only 16.		G G G - VOA C C C - C	
8. Sampler's Name & Company (PLEASE PRINT)		9. Sample ID and Description		10. Sampling		11. Matrix	
JOSEPH STANKOVICH		Houston Plating & Coatings, LLC		Date Time Comp. Grab Water Soil Sludge Oil Air Other 12-20-07 10:00 AM ✓ - - - - - - - - - -		12. Matrix 13. Containers* 14. Preservatives** 15. pH-Lab Only 16.	
LAB USE ONLY		LAB USE ONLY		LAB USE ONLY		LAB USE ONLY	
19. RELINQUISHED BY		DATE		TIME		20. RECEIVED BY	
1 Joseph Stankovich		12-21-07				Reed Barry	
2						21. RECEIVED BY LABORATORY:	
3						DATE TIME	
22. KNOWN HAZARDS / COMMENTS		DATE		TIME		23. KNOWN HAZARDS / COMMENTS	
Corrosive						Temperature: 0.9 °C	
Intact: Y or N						A&B cannot accept verbal changes Please FAX written changes to 713-453-6091 Samples will be disposed of after 30 days A & B reserves the right to return samples	
*Containers: VOA - 40 ml vial A/G - Amber/Glass 1 Liter 4 oz/8 oz - glass wide mouth P/O - Plastic/other		**Preservatives: C - Cool H - HCl N - HNO ₃ S - H ₂ SO ₄ OH - NaOH T - Na ₂ S ₂ O ₃ X - Other		METHOD OF SHIPMENT Delivered by JPS		BILL OF LADING / TRACKING # 247745	
LAB USE ONLY SAMPLING RENTAL P/U							

WHITE COPY: ORIGINAL REPORT - YELLOW COPY: FILE - PINK COPY: INVOICING - GOLD COPY: CLIENT



Sample Condition Checklist

Date : 12/21/07

A&B JobID : 95441	Date Received : 12/21/2007	Time Received : 02:00 PM	
Client Name : Houston Plating Company, LLC			
Temperature : 0.9°C	Sample pH : N/A		
Check Points			
1.	Cooler seal present and signed.	Yes	No
2.	Sample(s) in a cooler.	X	
3.	If yes, ice in cooler.	X	
4.	Sample(s) received with chain-of-custody.	X	
5.	C-O-C signed and dated.	X	
6.	Sample(s) received with signed sample custody seal.	X	
7.	Sample containers arrived intact. (If no comment).	X	
8.	Matrix Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other		
	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
9.	Sample were received in appropriate container(s).	X	
10.	All samples were logged or labeled.	X	
11.	Sample ID labels match C-O-C ID's	X	
12.	Bottle count on C-O-C matches bottles found.	X	
13.	Sample volume is sufficient for analyses requested.	X	
14.	Samples were received within the hold time.	X	
15.	VOA vials completely filled.	X	
16.	Sample accepted.	X	
Comments : Include actions taken to resolve discrepancies/problem:			

Received by : Rgamez	Check in by/date : Rgamez / 12/21/2007
----------------------	--

1363 GATX (Hearne)
Profile # 1363

L. Cree



No. 10341

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CutLess® Paper

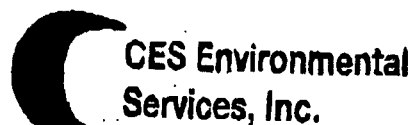


7 E

8-5-09

LAB

T-36



490 Griggs Road
Houston, TX 77021
Tel. (713) 676-1480
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1363

Customer: GATX (Hearne)

Waste Generator: GATX (Hearne)

Waste Stream Name: NH Waste Solids - CLASS 1

Expiration Date: 2/6/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

☒ Analysis is NOT required for recertification.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Ricardo Salias
Customer Name

Signature

Company / Title

Date

GATX

1-10-8

PCT



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/6/2006

Dear **Ricardo Salias**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1363

Generator: GATX (Hearne)
Address: P.O. Box 969
Hearne, TX 77859

Waste Information

Name of Waste: NH Waste Solids

TCEQ Waste Code #: 99074091

Container Type: Drum

Detailed Description of Process Generating Waste:

Removal of non-hazardous heels from railcars.

Color: Dark

Odor: None

pH: 3-11

Physical State: Solid

Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001052



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : GATX (Hearne)

Address : P.O. Box 969

City, State, Zip : Hearne TX 77859

Contact : Ricardo Salias

Title : HS&E Manager

Phone No : (979) 279-7020

Fax : (979) 279-5664

24 / HR Phone : (979) 279-7020

U.S. EPA I.D. No : TXD000835207

State I.D. : 32643

SIC Code :

SECTION 2: Billing Information

Company : GATX (Hearne)

Address : P.O. Box 969

City, State, Zip : Hearne TX 77859

Contact : Ricardo Salias

Title : HS&E Manager

Phone No : (979) 279-7020

Fax : (979) 279-5664

SECTION 3: General Description of the Waste

Name of Waste : NH Waste Solids

Detailed Description of Process Generating Waste:

Removal of non-hazardous heels from railcars.

Physical State :

☐ Liquid

☐ Sludge

☐ Powder

☒ Solid

☐ Filter Cake

☐ Combination

Color :

Dark

Odor :

None

Specific Gravity (Water=1) :

N/A

Density :

N/A

lbs / gal

Layers :

☒ Single-Phas

☐ Multi-Phase

Container Type : ☒ Drum

☐ Tote

☐ Truck

☐ Other (explain)

Container Size :

55

Number Of Units :

35

Texas State Waste Code No :

99074091

Proper U.S. State Waste Code No :

Non-RCRA/Non DOT regulated waste solids

Class :

UN/NA :

PG :

RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 100 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Range	are acceptable
Paraffin Wax		50-100	%
Asphalt		50-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE Required.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste removal package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits
TCLP Volatiles : TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits
Reactivity : No reactive materials are present
Corrosivity : pH is neutral
Ignitability : No ignitable materials are present

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____

Date : 2/6/06

Printed Name / Title : _____

Ricardo Salinas Cleaning Sup

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Paula R. Thayer

Date : 2-6-06

Status :

Approved

Rejected

Additional Information

Approval Number :

1363

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Class / Solid

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 9:25 AM
Subject: PARAFFIN WAX

Solids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 09:24 AM -----

Cover Sheet: ☐**French MSDS:****MSDS NUMBER:****CUSTOMER NUMBER:****STOCK NUMBER:****CIN NUMBER:** 0274-12**STCC NUMBER:** 2911990**Material Safety Data Sheet**

100 PALE PARAFFIN

EXXON COMPANY, U.S.A.
A DIVISION OF EXXON CORPORATION

DATE ISSUED: 03/22/99
SUPERSEDES DATE: 01/24/97

MATERIAL SAFETY DATA SHEET

-----SECTION 1: PRODUCT AND COMPANY IDENTIFICATION -----

COMPANY: EXXON COMPANY, U.S.A.
P.O. BOX 2180
HOUSTON, TX 77252-2180

PRODUCT NAME: 100 PALE PARAFFIN**PRODUCT CODE:** 311305-01305**PRODUCT CATEGORY:** PETROLEUM LUBRICATING OIL BASE STOCK**MEDICAL EMERGENCY TELEPHONE NUMBER:** (713) 656-3424

TRANSPORTATION EMERGENCY TELEPHONE NUMBERS:
(BAYTOWN) (281) 834-3296 (CHEMTREC) 1-800-424-9300

PRODUCT INFORMATION AND TECHNICAL ASSISTANCE: 1-800-443-9966**FAXED MSDSS:** 1-800-298-4007 **MAILED MSDSS OR OTHER ASSISTANCE:** (713) 656-5949

6/26/2005

EPAHO112001057

-----SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS -----

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	100%
OR	OR	
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	

SEE SECTION 8 FOR EXPOSURE LIMITS

-----SECTION 3: HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW

OSHA REQUIRED LABEL INFORMATION:

IN COMPLIANCE WITH HAZARD AND RIGHT-TO-KNOW REQUIREMENTS, WHERE APPLICABLE OSHA HAZARD WARNINGS MAY BE FOUND ON THE LABEL, BILL OF LADING OR INVOICE ACCOMPANYING THIS SHIPMENT.

NOTE: PRODUCT LABEL MAY CONTAIN NON-OSHA RELATED INFORMATION ALSO.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
BASIS	RECOMMENDED BY EXXON

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
BASIS	RECOMMENDED BY EXXON

VARIABILITY AMONG INDIVIDUALS:

HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS AND SYNTHETIC LUBRICANTS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED.

EFFECTS OF OVEREXPOSURE (SIGNS AND SYMPTOMS OF EXPOSURE):

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION.

PRE-EXISTING MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE:

NONE RECOGNIZED

-----SECTION 4: FIRST AID MEASURES -----

EYE CONTACT:

IF SPLASHED INTO THE EYES, FLUSH WITH CLEAR WATER FOR 15 MINUTES OR UNTIL

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IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

SKIN:

IN CASE OF SKIN CONTACT, REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. LAUNDER OR DRY-CLEAN CLOTHING BEFORE REUSE. IF PRODUCT IS INJECTED INTO OR UNDER THE SKIN, OR INTO ANY PART OF THE BODY, REGARDLESS OF THE APPEARANCE OF THE WOUND OR ITS SIZE, THE INDIVIDUAL SHOULD BE EVALUATED IMMEDIATELY BY A PHYSICIAN AS A SURGICAL EMERGENCY. EVEN THOUGH INITIAL SYMPTOMS FROM HIGH PRESSURE INJECTION MAY BE MINIMAL OR ABSENT, EARLY SURGICAL TREATMENT WITHIN THE FIRST FEW HOURS MAY SIGNIFICANTLY REDUCE THE ULTIMATE EXTENT OF INJURY.

INHALATION:

VAPOR PRESSURE IS VERY LOW. VAPOR INHALATION UNDER AMBIENT CONDITIONS IS NORMALLY NOT A PROBLEM. IF OVERCOME BY VAPOR FROM HOT PRODUCT, IMMEDIATELY REMOVE FROM EXPOSURE AND CALL A PHYSICIAN. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION; ADMINISTER OXYGEN, IF AVAILABLE. IF OVEREXPOSED TO OIL MIST, REMOVE FROM FURTHER EXPOSURE UNTIL EXCESSIVE OIL MIST CONDITION SUBSIDES.

INGESTION:

IF INGESTED, DO NOT INDUCE VOMITING; CALL A PHYSICIAN IMMEDIATELY.

-----SECTION 5: FIRE-FIGHTING MEASURES -----

FLASH POINT (MINIMUM): 179 DEG. C (355DEG. F) ASTM D 92, CLEVELAND OPEN CUP

AUTOIGNITION TEMPERATURE: GREATER THAN 232 DEG. C (450 DEG. F)

FLAMMABLE OR EXPLOSIVE LIMITS (APPROXIMATE PERCENT BY VOLUME IN AIR):

ESTIMATED VALUES:

LOWER FLAMMABLE LIMIT 0.9%

UPPER FLAMMABLE LIMIT 7%

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES:

FOAM, WATER SPRAY (FOG), DRY CHEMICAL, CARBON DIOXIDE AND VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS MAY ALL BE SUITABLE FOR EXTINGUISHING FIRES INVOLVING THIS TYPE OF PRODUCT, DEPENDING ON SIZE OR POTENTIAL SIZE OF FIRE AND CIRCUMSTANCES RELATED TO THE SITUATION. PLAN FIRE PROTECTION AND RESPONSE STRATEGY THROUGH CONSULTATION WITH LOCAL FIRE PROTECTION AUTHORITIES OR APPROPRIATE SPECIALISTS.

THE FOLLOWING PROCEDURES FOR THIS TYPE OF PRODUCT ARE BASED ON THE RECOMMENDATIONS IN THE NATIONAL FIRE PROTECTION ASSOCIATION'S "FIRE PROTECTION GUIDE ON HAZARDOUS MATERIALS", TENTH EDITION (1991):

USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE TO EXTINGUISH THE FIRE. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO STOP A LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES. MINIMIZE BREATHING OF GASES, VAPOR, FUMES OR DECOMPOSITION PRODUCTS. USE SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED OR CONFINED SPACES OR AS OTHERWISE NEEDED.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:
FUMES, SMOKE, CARBON MONOXIDE, SULFUR OXIDES, ALDEHYDES AND OTHER DECOMPOSITION
PRODUCTS, IN THE CASE OF INCOMPLETE COMBUSTION.

-----SECTION 6: ACCIDENTAL RELEASE MEASURES -----

CLEAN WATER ACT / OIL POLLUTION ACT:

THIS PRODUCT MAY BE CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER
ACT, AND UNDER THE OIL POLLUTION ACT. DISCHARGES OR SPILLS INTO OR LEADING TO
SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE
CENTER (1-800-424-8802).

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

RECOVER FREE PRODUCT. ADD SAND, EARTH, OR OTHER SUITABLE ABSORBENT TO SPILL
AREA. MINIMIZE SKIN CONTACT. KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY
DIKING OR IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER
SEWERS, WATERCOURSES, OR EXTENSIVE LAND AREAS.

ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.

-----SECTION 7: STORAGE AND HANDLING -----

HANDLING PRECAUTIONS:

USE PRODUCT WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY,
AND OPEN FLAME.

"EMPTY" CONTAINER WARNING:

"EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO
NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS
TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY
MAY EXPLODE AND CAUSE INJURY OR DEATH.

DO NOT ATTEMPT TO REFILL OR CLEAN CONTAINERS SINCE RESIDUE IS DIFFICULT TO
REMOVE. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY
RETURNED TO A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN
AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.

FOR WORK ON TANKS REFER TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
REGULATIONS, ANSI Z49.1, AND OTHER GOVERNMENTAL AND INDUSTRIAL REFERENCES
PERTAINING TO CLEANING, REPAIRING, WELDING, OR OTHER CONTEMPLATED OPERATIONS.

-----SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION -----

EXPOSURE LIMIT FOR TOTAL PRODUCT

BASIS

5 MG/M3 FOR OIL MIST (AEROSOL) FOR
AN 8-HOUR WORKDAY

OSHA REGULATION 29 CFR 1910.1000 AND
RECOMMENDED BY THE AMERICAN CONFERENCE
OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
(ACGIH). ACGIH STATES THAT THE AIR IS
TO BE SAMPLED BY A METHOD THAT DOES NOT
COLLECT VAPOR; IN ADDITION, IT LISTS A
10 MG/M3 STEL.

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VENTILATION:

USE LOCAL EXHAUST TO CAPTURE VAPOR, MISTS OR FUMES, IF NECESSARY. PROVIDE VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS OF VAPOR IN AIR. NO SMOKING, OR USE OF FLAME OR OTHER IGNITION SOURCES.

RESPIRATORY PROTECTION:

USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

PROTECTIVE GLOVES:

USE CHEMICAL-RESISTANT GLOVES, IF NEEDED, TO AVOID PROLONGED OR REPEATED SKIN CONTACT.

EYE PROTECTION: USE SPLASH GOGGLES OR FACE SHIELD WHEN EYE CONTACT MAY OCCUR.

OTHER PROTECTIVE EQUIPMENT:

USE CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING, IF NEEDED, TO AVOID CONTAMINATING REGULAR CLOTHING, WHICH COULD RESULT IN PROLONGED OR REPEATED SKIN CONTACT.

WORK PRACTICES / ENGINEERING CONTROLS:

TO PREVENT FIRE OR EXPLOSION RISK FROM STATIC ACCUMULATION AND DISCHARGE, EFFECTIVELY BOND AND/OR GROUND PRODUCT TRANSFER SYSTEM IN ACCORDANCE WITH (THE) NATIONAL FIRE PROTECTION ASSOCIATION PUBLICATIONS.

KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS.

IN ORDER TO PREVENT FIRE OR EXPLOSION HAZARDS, USE APPROPRIATE EQUIPMENT.

INFORMATION ON ELECTRICAL EQUIPMENT APPROPRIATE FOR USE WITH THIS PRODUCT MAY BE FOUND IN THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA-70). THIS DOCUMENT IS AVAILABLE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION, BATTERYMARCH PARK, QUINCY, MASSACHUSETTS 02269.

PERSONAL HYGIENE:

MINIMIZE BREATHING VAPOR, MIST OR FUMES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. REMOVE CONTAMINATED CLOTHING; LAUNDRY OR DRY-CLEAN BEFORE RE-USE. REMOVE CONTAMINATED SHOES AND THOROUGHLY CLEAN BEFORE RE-USE; DISCARD IF OIL-SOAKED. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS, AND AT END OF WORK PERIOD. PRODUCT IS READILY REMOVED FROM SKIN BY WATERLESS HAND CLEANERS FOLLOWED BY WASHING THOROUGHLY WITH SOAP AND WATER.

-----SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES -----

THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.

BOILING RANGE: IBP APPROXIMATELY 277 DEG. C (530 DEG. F) BY ASTM D 2887

6/26/2005

EPAHO112001061

SPECIFIC GRAVITY (15.6 DEG. C/15.6 DEG. C): 0.87

MOLECULAR WEIGHT: NOT DETERMINED

PH: ESSENTIALLY NEUTRAL

POUR, CONGEALING OR MELTING POINT: -15 DEG. C (5 DEG. F) POUR POINT BY ASTM D 97

VISCOSITY: 106 SSU @ 100 DEG. F

VAPOR PRESSURE: LESS THAN 0.01 mm Hg @ 20 DEG. C

VAPOR DENSITY (AIR = 1): GREATER THAN 5

PERCENT VOLATILE BY VOLUME:

NEGLECTIBLE FROM OPEN CONTAINER IN 4 HOURS @ 38 DEG. C (100 DEG. F)

EVAPORATION RATE @ 1 ATM. AND 25 DEG. C (77 DEG. F) (N-BUTYL ACETATE = 1): LESS THAN 0.01

SOLUBILITY IN WATER @ 1 ATM. AND 25 DEG. C (77 DEG. F): NEGLECTIBLE; LESS THAN 0.1%

PRODUCT APPEARANCE AND ODOR:

CLEAR LIQUID, LIGHT YELLOW COLOR

MILD, BLAND PETROLEUM ODOR

-----SECTION 10: STABILITY AND REACTIVITY -----

THIS PRODUCT IS STABLE AND WILL NOT REACT VIOLENTLY WITH WATER. HAZARDOUS POLYMERIZATION WILL NOT OCCUR. AVOID CONTACT WITH STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE, CALCIUM HYPOCHLORITE, ETC., AS THIS PRESENTS A SERIOUS EXPLOSION HAZARD.

-----SECTION 11: TOXICOLOGICAL INFORMATION -----

NATURE OF HAZARD AND TOXICITY INFORMATION:

REPEATED AND PROLONGED OVEREXPOSURE TO OIL MISTS MAY RESULT IN DROPLET DEPOSITION, OIL GRANULOMA FORMATION, INFLAMMATION AND INCREASED INCIDENCE OF INFECTION.

IN ACCORDANCE WITH THE CURRENT OSHA HAZARD COMMUNICATION STANDARD CRITERIA, THIS PRODUCT DOES NOT REQUIRE A CANCER HAZARD WARNING. THIS IS BECAUSE THE PRODUCT IS FORMULATED FROM BASE STOCKS WHICH ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED, AND/OR PROCESSED BY MILD HYDROTREATMENT AND EXTRACTION. ALTERNATIVELY, IT MAY CONSIST OF COMPONENTS NOT OTHERWISE AFFECTED BY IARC CRITERIA, SUCH AS ATMOSPHERIC DISTILLATES OR SYNTHETICALLY DERIVED MATERIALS, AND AS SUCH IS NOT CHARACTERIZED BY CURRENT IARC CLASSIFICATION CRITERIA.

PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUCT TENDS TO REMOVE SKIN OILS, POSSIBLY LEADING TO IRRITATION AND DERMATITIS; HOWEVER, BASED ON HUMAN EXPERIENCE AND AVAILABLE TOXICOLOGICAL DATA, THIS PRODUCT IS JUDGED TO BE NEITHER A "CORROSIVE" NOR AN "IRRITANT" BY OSHA CRITERIA.

6/26/2005

EPAHO112001062

PRODUCT CONTACTING THE EYES MAY CAUSE EYE IRRITATION.

PRODUCT HAS A LOW ORDER OF ACUTE ORAL AND DERMAL TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY AND POSSIBLY DEATH.

THIS PRODUCT IS JUDGED TO HAVE AN ACUTE ORAL LD50 (RAT) GREATER THAN 5 G/KG OF BODY WEIGHT, AND AN ACUTE DERMAL LD50 (RABBIT) GREATER THAN 3.16 G/KG OF BODY WEIGHT.

-----SECTION 12: ECOLOGICAL INFORMATION -----

DO NOT DISCHARGE THIS PRODUCT INTO PUBLIC WATERS OR WATERWAYS UNLESS AUTHORIZED BY A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA).

ENVIRONMENTAL AND ECOLOGICAL DATA MAY BE AVAILABLE FOR THIS PRODUCT. WRITE OR CALL EXXON TO OBTAIN FURTHER INFORMATION. REFER TO SECTION 6 AND SECTION 15 FOR ACCIDENTAL RELEASE INFORMATION AND REGULATORY REPORTING INFORMATION.

-----SECTION 13: DISPOSAL CONSIDERATION -----

OPTIONS FOR DISPOSAL OF THIS PRODUCT MAY DEPEND ON THE CONDITIONS UNDER WHICH IT WAS USED. TO DETERMINE THE PROPER METHOD OF DISPOSAL, REFER TO RCRA (40 CFR 261), AS WELL AS FEDERAL EPA AND STATE AND LOCAL REGULATIONS.

PLEASE REFER TO SECTIONS 5, 6 AND 15 FOR ADDITIONAL INFORMATION.

-----SECTION 14: TRANSPORTATION INFORMATION -----

TRANSPORTATION INCIDENT INFORMATION:

FOR FURTHER INFORMATION RELATIVE TO SPILLS RESULTING FROM TRANSPORTATION INCIDENTS, REFER TO LATEST DEPARTMENT OF TRANSPORTATION EMERGENCY RESPONSE GUIDEBOOK FOR HAZARDOUS MATERIALS INCIDENTS.

U.S. DOT HAZARDOUS MATERIALS SHIPPING DESCRIPTION: NOT REGULATED

-----SECTION 15: REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA SECTIONS 301-304):

NO TPQ FOR PRODUCT OR ANY CONSTITUENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA SECTION 313):
NO TOXIC CHEMICAL IS PRESENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA SECTIONS 311-312):
EPA HAZARD CLASSIFICATION CODE: NOT APPLICABLE

TOXIC SUBSTANCES CONTROL ACT (TSCA):
THIS PRODUCT, AS MANUFACTURED BY EXXON, DOES NOT CONTAIN POLYCHLORINATED
BIPHENYLS (PCB'S).

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE U.S. TSCA INVENTORY.

-----SECTION 16: OTHER INFORMATION -----

THE HEALTH AND SAFETY INFORMATION PRESENTED HEREIN MUST BE USED IN CONJUNCTION
WITH THE PERTINENT STANDARDS FOR TRAINING, WORK PRACTICES AND FACILITIES DESIGN
ESTABLISHED BY OSHA, NIOSH, NFPA, API, NEC, NSC, UNDERWRITERS, BUREAU OF MINES,
AND SIMILAR ORGANIZATIONS.

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE, TO THE BEST OF EXXON'S
KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE ISSUED. EXXON DOES
NOT WARRANT OR GUARANTEE THEIR ACCURACY OR RELIABILITY, AND EXXON SHALL NOT BE
LIABLE FOR ANY LOSS OR DAMAGE ARISING OUT OF THE USE THEREOF.

THE INFORMATION AND RECOMMENDATIONS ARE OFFERED FOR THE USER'S CONSIDERATION AND
EXAMINATION, AND IT IS THE USER'S RESPONSIBILITY TO SATISFY ITSELF THAT THEY ARE
SUITABLE AND COMPLETE FOR ITS PARTICULAR USE. IF BUYER REPACKAGES THIS PRODUCT,
LEGAL COUNSEL SHOULD BE CONSULTED TO INSURE PROPER HEALTH, SAFETY AND OTHER
NECESSARY INFORMATION IS INCLUDED ON THE CONTAINER.

THE ENVIRONMENTAL INFORMATION INCLUDED UNDER SECTION 15 HEREOF AS WELL AS THE
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) AND NATIONAL FIRE PROTECTION
ASSOCIATION (NFPA) RATINGS HAVE BEEN INCLUDED BY EXXON COMPANY, U.S.A. IN ORDER
TO PROVIDE ADDITIONAL HEALTH AND HAZARD CLASSIFICATION INFORMATION. THE RATINGS
RECOMMENDED ARE BASED UPON THE CRITERIA SUPPLIED BY THE DEVELOPERS OF THESE
RATING SYSTEMS, TOGETHER WITH EXXON'S INTERPRETATION OF THE AVAILABLE DATA.

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts
no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the
information.

This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

6/26/2005

EPAHO112001064

August 24, 2007

CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

To Whom It May Concern:

This letter is regarding the profile number 1363 for GATX in Hearne, TX. We would like to amend one of the constituents, Stearic acid 0-100% on this profile. If you have any questions please feel free to contact me at 979-279-7053.

Sincerely,


Ricardo Salinas
Safety and Environmental Supervisor



INDUSTRENE® 7018

Version: 1.3
Date of issue: 06/27/2007
Date printed: 08/02/2007

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : INDUSTRENE® 7018

Chemical name: Stearic acid

Use of substance/preparation: Lubricant

Supplier: Chemtura Corporation
199 Benson Road
Middlebury, CT 06749 USA

Emergency telephone number: CHEMTREC (24 hours) 800-424-9300
Chemtura Corporation Emergency Response (24 hours) 800-292-5898

Environmental, Health and Safety Department: 866-430-2775

Customer Service: 877-948-2660

Prepared by Product Safety Department **Date of Issue:** 06/27/2007
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

MOLTEN PRODUCT MAY CAUSE THERMAL BURNS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
------------	-------------

Octadecanoic acid
CAS# 57-11-4



MATERIAL SAFETY DATA SHEET

INDUSTRENE® 7018

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4. FIRST AID MEASURES

Swallowing

No emergency care anticipated.

Inhalation

Remove to fresh air.

Skin contact

Wash skin with soap and water. WHEN MOLTEN ONLY (molten product can cause thermal burns) - Cool with water or ice.

Eye contact

WHEN MOLTEN ONLY (molten product can cause thermal burns) - Flush eyes thoroughly with water for several minutes. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: 390 °F 199 °C
Autoignition temperature: No data available.

Hazardous combustion products

Carbon monoxide.
Carbon dioxide.

Special fire fighting procedures

Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

Special protective equipment for firefighters

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

Extinguishing media

Suitable: Extinguish with:
- dry chemical
- water spray
- CO2
- foam

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions

This product is insoluble in water and will float on the surface.

Methods for cleaning up

Transfer liquids and solid diking material to suitable containers for recovery or disposal.
Allow remaining liquid to solidify, then shovel into containers.
Observe government regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Exercise suitable precautions to avoid thermal burns., Product is normally maintained in a heated, liquid form.

STORAGE

Storage requirements

Normal precautions common to good safety practice should be followed in storage.



MATERIAL SAFETY DATA SHEET

INDUSTRENE® 7018

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Octadecanoic acid	USA	PEL, OSHA	5 mg/m3	Respirable dust
		PEL, OSHA	15 mg/m3	Total dust
		TWA, ACGIH	10 mg/m3	Total dust for nuisance particulates

PERSONAL PROTECTION

Respiratory protection

Do not breathe hot vapors., Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

Hand protection / protective gloves

Neoprene

Eye protection

Monogoggles

Skin protection

Rubber or plastic apron

ENGINEERING CONTROLS

Ventilation

Adequate ventilation to keep dust level below TLV.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Solid
Color	Off-white
Odor	Slight fatty
Odor threshold	No data available.

OTHER PROPERTIES

Boiling point	> 315 °C > 600 °F
Melting point	60 - 63 °C 140 - 146 °F
Density	0.87 g/cm3 at 25 °C
Vapor pressure	
Solubility in water	Insoluble
Partitioning coefficient	No data available.
Flash point	390 °F 199 °C Method: Cleveland open cup ASTM D 92
Autoignition temperature	No data available.
Percent volatiles	0 %(m)



MATERIAL SAFETY DATA SHEET

INDUSTRENE® 7018

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10. STABILITY AND REACTIVITY

Stability: Stable.

Stability - Conditions to avoid:
Stable under normal conditions.

Incompatible materials:
Strong oxidizing agents.

Hazardous combustion products:
Carbon monoxide.
Carbon dioxide.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

GENERAL

No information available.
SWALLOWING
Acute effects
Low acute toxicity.

SKIN ABSORPTION

Acute effects
Low acute toxicity.

INHALATION

Acute effects
Vapor or mist from heated material may cause irritation of the respiratory tract.

SKIN CONTACT

Acute effects
WHEN MOLTEN ONLY (molten product can cause thermal burns).

EYE CONTACT

Acute effects
Molten product may cause thermal burns.

12. ECOLOGICAL INFORMATION

Not expected to be acutely toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

General: It is our opinion this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determination as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product. Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

Non-cleaned packages
Dispose of washing solution in the same way as product.

(M)SDS# 000000022358

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EPAHO112001069



MATERIAL SAFETY DATA SHEET

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14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.
Not regulated by ground or rail if shipped or transported at temperatures under 212 °F (100 °C) or in containers less than 450 liters (119 US gal).
If shipped or transported at temperatures over 100°C (212°F) and in containers greater than 450 liters (119 gal) regulated as: ELEVATED TEMPERATURE LIQUID, N.O.S., Class 9, UN 3257, PGIII, ERG 128.

Proper shipping name: ELEVATED TEMPERATURE LIQUID, N.O.S.
Class: 9
UN ID #: UN3257
Packing group: III

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RO's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:
**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RO's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are:
**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:
**** NONE ****

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name: CAS#
Octadecanoic acid 57-11-4

New Jersey TS Number

EPA Hazard Categories (SARA 311, 312): None

California Proposition 65

**** NONE ****

CHEMICAL INVENTORY

Canada: This product is on the DSL.
Europe: This product is on the EINECS inventory. 200-313-4
United States: This product is on the TSCA inventory.
Australia: This product is on the AICS inventory.
China: This product is on the IECSC Inventory.
Japan: This product is on the ENCS inventory.
Korea: This product is listed on the Existing Chemicals List (ECL).
Philippines: This product, or the components, is listed or exempt from listing on the Philippines Inventory of Chemicals

(M)SDS# 000000022358

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EPAHO112001070



MATERIAL SAFETY DATA SHEET

INDUSTRENE® 7018

and Chemical Substances (PICCS).

Version: 1.3
Date of Issue: 06/27/2007
Date printed: 08/02/2007

16. OTHER INFORMATION

FURTHER INFORMATION
MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

HMIS RATING

Health: 1	Flammability: 1	Reactivity: 0	PPI:
-----------	-----------------	---------------	------

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

Copyright
2007
Chemtura
Corporation

THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN CHEMTURA CORPORATION. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN THE CONTROL OF CHEMTURA CORPORATION, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCTS.

GP
must be for completely reacted
out MDI to a new hazardous Polyurethane
Solid. these can be no free
liquids.



**CES Environmental
Services, Inc.**

CES Profile Modification Form

Date: 5-12-08

Profile Number: 1363

Generator: GATX Hearne

Sales Representative: Dana Carter

Requested Modification:

Addition of solidified MDI 0-100% to components

Reason for Request

Customer generated 5 drums during the cleaning of a rail car

Note: Copy of Original Profile must be attached along with any Lab Analysis.

Changes Approved By: *Robert R. Thayer*

If changes are not approved, a Profile Discrepancy Form will be completed.

Date changes entered into Access Database: 5-19-08



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : GATX (Hearne)
Address : 1401 W. Brown St. PO Box 969
City, State, Zip : Hearne TX 77859
Contact : Ricardo Salias Title : HS&E Manager
Phone No : (979) 279-3481 Fax :
24 / HR Phone : (979) 279-7020
U.S EPA I.D No : TXD000835207
State I.D : 32643 SIC Code

SECTION 2: Billing Information

Company : GATX (Hearne)
Address : 1401 W. Brown St. PO Box 969
City, State, Zip : Hearne TX 77859
Contact : Ricardo Salias Title : HS&E Manager
Phone No : (979) 279-3481 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Class 1 NH Waste Solids

Detailed Description of the Process Generating Waste:

Removal of non-hazardous heels from railcars.

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : Dark Odor : None

Specific Gravity (Water=1) : N/A Density : N/A lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 35

Texas State Waste Code No : 99074091

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste solids

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 100 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Paraffin Wax		50-100	%
Asphalt		50-100	%
Stearic acid		0-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits
TCLP Volatiles : TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits
Reactivity : No reactive materials are present
Corrosivity : pH is neutral
Ignitability : No ignitable materials are present

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 2/6/2006

Printed Name / Title : Ricardo Salias / Cleaning Supervisor

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

\$75/drum, \$200/load (plus f.s.c.) transportation

Compliance Officer : Prabhakar Thangudu

Date : 1/10/2008 Status : Approved Rejected

Approval Number : 1363

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes

- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



The Chemical Company

Safety data sheet

LUPRANATE* M20 ISOCYANATE

Revision date : 2008/03/17

Version: 5.6

Page: 1/7

(30089687/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Molecular weight:	360 g/mol
Chemical family:	aromatic isocyanates
Synonyms:	POLYMETHYLENE POLYPHENYLISOCYANATE

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
101-68-8	38.0 %	Diphenylmethane-4,4'-diisocyanate (MDI)
26447-40-5	< 10.0 %	MDI Mixed Isomers
9016-87-9	< 55.0 %	P-MDI

3. Hazard identification

Emergency overview

CAUTION: CONTAINS DIPHENYLMETHANE DIISOCYANATE (CAS No. 101-68-8). INHALATION OF MDI MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHLESSNESS, CHEST DISCOMFORT AND REDUCED PULMONARY FUNCTION. OVEREXPOSURE WELL ABOVE THE PEL MAY RESULT IN BRONCHITIS, BRONCHIAL SPASMS AND PULMONARY EDEMA. LONG-TERM EXPOSURE TO ISOCYANATES HAS BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING REDUCED LUNG FUNCTION WHICH MAY BE PERMANENT. ACUTE OR CHRONIC OVEREXPOSURE TO ISOCYANATES MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Information on: MDI

Inhalation of MDI vapors may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. Airborne overexposure well above the PEL may result additionally in eye irritation, headache, chemical bronchitis, asthma-like findings or pulmonary edema. Isocyanates have also been reported to

Safety data sheet

LUPRANATE* M20 ISOCYANATE

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cause hypersensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may be delayed. Gastrointestinal symptoms include nausea, vomiting and abdominal pain.

Irritation:

Information on: Diisocyanates

Eye contact with isocyanates may result in conjunctival irritation and mild corneal opacity. Skin contact may result in dermatitis, either irritative or allergic.

Repeated dose toxicity:

Information on: MDI

Results from a lifetime inhalation study in rats indicate that MDI aerosol was carcinogenic at 6 mg/m³, the highest dose tested. This is well above the recommended TLV of 5 ppb (0.05 mg/m³). Only irritation was noted at the lower concentration of 0.2 and 1 mg/m³. No birth defects or teratogenic effects were reported in a teratology study with rats exposed to 1, 4, and 12 mg/m³ polymeric MDI for 6 hr/day on days 6-15 of gestation. Embryotoxicity and fetotoxicity was reported at the top dose in the presence of maternal toxicity.

Information on: Isocyanates

As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the PEL/TLV. These symptoms, which include chest tightness, wheezing, cough, shortness of breath, or asthmatic attack, could be immediate or delayed up to several hours after exposure. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Chronic overexposure to isocyanates has also been reported to cause lung damage, including a decrease in lung function, which may be permanent. Sensitization may be either temporary or permanent. Prolonged contact can cause reddening, swelling, rash, scaling, or blistering. In those who have developed a skin sensitization, these symptoms can develop as a result of contact with very small amounts of liquid material, or even as a result of vapor-only exposure.

Medical conditions aggravated by overexposure:

The isocyanate component is a respiratory sensitizer. It may cause allergic reaction leading to asthma-like spasms of the bronchial tubes and difficulty in breathing.

Medical supervision of all employees who handle or come into contact with isocyanates is recommended.

Contact may aggravate pulmonary disorders.

Persons with history of respiratory disease or hypersensitivity should not be exposed to this product.

Preemployment and periodic medical examinations with respiratory function tests (FEV₁, FVC as a minimum) are suggested.

An animal study indicated that MDI may induce respiratory hypersensitivity following dermal exposure.

Persons with asthmatic conditions, chronic bronchitis, other chronic respiratory diseases, recurrent eczema or pulmonary sensitization should be excluded from working with isocyanates. Once a person is diagnosed as having pulmonary sensitization (allergic asthma) to isocyanates, further exposure is not recommended.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

Safety data sheet

LUPRANATE* M20 ISOCYANATE

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If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Note to physician

Hazards:	Symptoms can appear later.
Antidote:	Specific antidotes or neutralizers to isocyanates do not exist.
Treatment:	Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient.

5. Fire-fighting measures

Flash point:	220 °C	(open cup)
Autoignition:		No data available.

Suitable extinguishing media:

water, dry extinguishing media, carbon dioxide, foam

Hazards during fire-fighting:

nitrous gases, fumes/smoke, isocyanate, vapour

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Personal precautions:

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Dike spillage.

For small amounts: Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information). Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.

For large amounts: If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.

For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes.

7. Handling and storage

Handling

General advice:

If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

Protection against fire and explosion:

No explosion proofing necessary.

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Storage

General advice:

Formation of CO₂ and build up of pressure possible. Keep container tightly closed and in a well-ventilated place. Outage of containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture.

Storage incompatibility:

General: Segregate from bases.

Storage stability:

Storage temperature: 60 - 80 °F
Protect against moisture.

8. Exposure controls and personal protection

Components with workplace control parameters

Diphenylmethane-4,4'-diisocyanate (MDI)	OSHA ACGIH	CLV 0.02 ppm 0.2 mg/m ³ ; TWA value 0.005 ppm ;
---	---------------	---

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment

Respiratory protection:

For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place.

Hand protection:

Chemical resistant protective gloves, Suitable materials, chloroprene rubber (Neoprene), nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, fluoroelastomer (Viton)

Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Suitable materials, saran-coated material

General safety and hygiene measures:

Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL value. Wash soiled clothing immediately. Contaminated equipment or clothing should be cleaned after each use or disposed of.

9. Physical and chemical properties

Form:	liquid	
Odour:	faint odour, aromatic	
Colour:	dark brown	
pH value:		No data available.
Freezing point:	3 °C	(1 ATM)
Boiling point:	200 °C	(5 mmHg)
Vapour pressure:	< 0.00001 mmHg	(20 °C)
Relative density:	1.22	(25 °C)
Bulk density:	10.16 lb/USg	
Viscosity, dynamic:	200 mPa.s	(20 °C)

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Miscibility with water:

Reacts with water.

10. Stability and reactivity

Conditions to avoid:

Avoid moisture.

Substances to avoid:

water, alcohols, strong bases, Substances/products that react with isocyanates.

Hazardous reactions:

The product is chemically stable.

Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalies. Reacts with amines. Risk of exothermic reaction. Risk of violent reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.

Decomposition products:

Hazardous decomposition products: carbon monoxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapours

Thermal decomposition:

> 260 °C

No data available.

Corrosion to metals:

No corrosive effect on metal.

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: > 10,000 mg/kg

Practically nontoxic.

Inhalation:

LC50/rat: > 2.240 mg/l / 1 h

Moderately toxic.

12. Ecological information

Environmental toxicity

Acute and prolonged toxicity to fish:

static

zebra fish/LC50 (24 h): > 500 mg/l

Practically nontoxic.

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (24 h): > 500 mg/l

Practically nontoxic.

13. Disposal considerations

Waste disposal of substance:

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Incinerate or dispose of in a licensed facility.
Do not discharge substance/product into sewer system.

Container disposal:

DRUMS:

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers). Check with reconditioner to determine if decontamination is required. Decontaminate containers prior to disposal. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport information

Land transport USDOT

Not classified as a dangerous good under transport regulations

Sea transport IMDG

Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US released / listed

TSCA 12B released / listed

OSHA hazard category: ACGIH TLV established, Highly toxic - inhalation, Chronic target organ effects reported, Skin and/or eye irritant, Acute target organ effects reported, Sensitizer, OSHA PEL established

CERCLA RQ
5000 LBS

CAS Number
101-68-8

Chemical name
Diphenylmethane-4,4'-diisocyanate (MDI)

SARA hazard categories (EPCRA 311/312): Acute, Chronic

SARA 313:

CAS Number

Chemical name

Diisocyanates Compound Category

State regulations

State RTK

CAS Number
101-68-8
9016-87-9

Chemical name
Diphenylmethane-4,4'-diisocyanate (MDI)
P-MDI

State RTK
MA, NJ, PA
NJ

Safety data sheet

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16. Other information

HMIS III rating

Health: 2 $\frac{+}{-}$ Flammability: 1 Physical hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local contact information

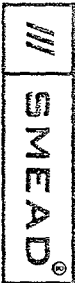
1-800-888-3342

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BASF CORPORATION WILL NOT MAKE ITS PRODUCTS AVAILABLE TO CUSTOMERS FOR USE IN THE MANUFACTURE OF MEDICAL DEVICES WHICH ARE INTENDED FOR PERMANENT IMPLANTATION IN THE HUMAN BODY OR IN PERMANENT CONTACT WITH INTERNAL BODILY TISSUES OR FLUIDS.
END OF DATA SHEET

1366 GATx (Hearne) 1366
Profile # 1366

L. And



No. 10341

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4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1480
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1366

Customer: GATX (Hearne)

Waste Generator: GATX (Hearne)

Waste Stream Name: Non-hazardous Class 2 Sludge

Expiration Date: 2/3/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

- ☐ No changes, please recertify.
- ☐ Please send new profile as waste stream has changed.

Ricardo Salias
Customer Name

Signature

GATX

Company / Title

Date

1/10/8

☒ Analysis is NOT required for recertification.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

PCT

MB



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/3/2006

Dear **Ricardo Salias**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1366

Generator: GATX (Hearne)

Address: P.O. Box 969
Hearne, TX 77859

Waste Information

Name of Waste: Non-hazardous Class 2 Sludge

TCEQ Waste Code #: 99366092

Container Type: Truck

Detailed Description of Process Generating Waste:

Removal of heels (Non-haz) from railcars, including rust and rinse/steam water. Also, di sand and absorbents contaminated with these products.

Color: Dark

Odor: Hydrocarbon

pH: 3-11

Physical State: Sludge

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001087



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : GATX (Hearne)
Address : P.O. Box 969
City, State, Zip : Hearne TX 77859
Contact : Ricardo Salias Title : HS&E Manager
Phone No : (979) 279-7020 Fax : (979) 279-5664
24 / HR Phone : (979) 279-7020
U.S EPA I.D No : TXD000835207
State I.D : 32643 SIC Code

SECTION 2: Billing Information

Company : GATX (Hearne)
Address : P.O. Box 969
City, State, Zip : Hearne TX 77859
Contact : Ricardo Salias Title : HS&E Manager
Phone No : (979) 279-7020 Fax : (979) 279-5664

SECTION 3: General Description of the Waste

Name of Waste : Non-hazardous Class 2 Sludge

Detailed Description of Process Generating Waste:

Removal of heels (Non-haz) from railcars, including rust and rinse/steam water. Also, dirt, sand and absorbents contaminated with these products.

Physical State : ☐ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Dark Odor : Hydrocarbon

Specific Gravity (Water=1) : 1.1 Density : 9.17 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 2000

Number Of Units : 2000

Texas State Waste Code No : 99366092

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste sludge

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 50-80 %
Oil and Grease <1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		25-50	%
See attached list		Balance	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 2/2/2006

Printed Name / Title : Ricardo Salias / HSE Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu 

Date : 2/3/2006 Status : ☒ Approved ☐ Rejected

Approval Number : 1366

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☒ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☒ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

TOTAL P.11

GATX Rail *Sludge*
NON-HAZARDOUS WASTE SOLIDS
(CLASS II - 99176092)

<u>Constituents</u>	<u>Concentration %</u>
TRIETHYLENE GLYCOL	5-10
SODIUM SILICATE	5-10
UREA, AMMONIUM NITRATE SOLUTION	5-10
FATTY ACID DARK TALLOW	5-10
VEGETABLE OIL	5-10
SOY BEAN OIL (HYDROGENATED)	5-10
CRUDE CANOLA OIL	5-10
MAGNESIUM CHLORIDE SOLUTION	5-10
CORN OIL/MAIZE OIL	5-10
AMMONIUM SULFATE	5-10
MOLASSES	5-10
KAOLIN CLAY AND WATER	5-10
TALLOW	5-10
LARD	5-10
RAPE SEED OIL	5-10
SOY BEAN OIL	5-10
PPE/RAGS/ABOSRBENT	10-15
RINSE WATER	10-20

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 3:19 PM
Subject: Soybean Oil

Liquids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 03:19 PM -----

Cover Sheet: ☐

French MSDS:

MSDS NUMBER:

CUSTOMER NUMBER:

STOCK NUMBER:

CIN NUMBER: 1748-00

STCC NUMBER: 2092110

Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 09/11/94

MSDS NUMBER 3331-GATC

PRODUCT NAME SOYBEAN OIL HYDROGENATED

MSDS ID CODE

MSDS OTHER CODES ..

PART NUMBERS

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER 3331-GATC

PRODUCT NAME SOYBEAN OIL HYDROGENATED

SYNONYMS SOYBEAN OIL

CHEMICAL NAME

CHEMICAL FAMILY .. VEGETABLE OIL

MANUFACTURER ARCHERS DANIEL MIDLAND COMPANY

DIVISION

PRODUCT CODES

ADDRESS 4666 FARIES PARKWAY/P.O. BOX 1470

CITY DECATUR

STATE IL

ZIP CODE 62526

EMERGENCY PHONE ... 217-424-5465

CHEMTREC PHONE ...

OTHER CALLS

MSDS PREPARED BY ..

EFFECTIVE DATE ... 09/11/94

PRINT DATE

PRODUCT USE

6/26/2005

EPAHO112001093

***** ADDITIONAL INFORMATION *****

JENSEN FOODS CO.
P.O. BOX 338
BRIGHTON, CO 80601

CHEMICAL NAME AND SYNONYMS: SOYBEAN OIL

-----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----

***** ADDITIONAL INFORMATION *****
HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS	NONE		BASE METAL		
CATALYST	NONE		ALLOYS		
VEHICLE	NONE		METALLIC COATINGS		
SOLVENTS	NONE		FILLER METAL PLUS		
ADDITIVES	NONE		COATING OR CORE FLUX		
OTHERS	NONE		OTHERS		

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

CAUTION SHOULD BE USED BY PROMPTLY DISPOSING OF OILY RAGS, ETC., TO AVOID THE POSSIBILITY OF SPONTANEOUS COMBUSTION.

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

RELEVANT ROUTE(S) OF EXPOSURE:

SEE SIGNS AND SYMPTOMS OF EXPOSURE

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

SOYBEAN OIL IS A NON TOXIC VEGETABLE OIL (EDIBLE).

CHRONIC OVEREXPOSURE:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

POTENTIAL HEALTH EFFECTS:

EYES:

SKIN:

INGESTION:

INHALATION:

CARCINOGENICITY: NTP:

IARC:

OSHA:

ACGIH:

6/26/2005

EPAHO112001094

OTHER:

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

FLUSH WITH WATER, ESPECIALLY EYELIDS.

SKIN:

WASH AFFECTED SKIN AREAS WITH SOAP AND WATER.

INGESTION:

INHALATION:

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

***** ADDITIONAL INFORMATION *****

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT:
(% BY VOLUME) : LOWER LIMIT:

FLASH POINT : VALUE : 540
: DEGREES C/F: F
: METHOD USED: CC

AUTOIGNITION TEMPERATURE : TEMPERATURE:
: DEGREES C/F:

EXTINGUISHING MEDIA:

WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE

FIRE FIGHTING INSTRUCTIONS:

UNUSUAL FIRE AND EXPLOSION HAZARDS:

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE
OR UNIQUELY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:

6/26/2005

EPAHO112001095

CONTAIN SPILLS AND PICK UP - USE SAND OR ABSORBENT MATERIALS; AVOID
LOSSES WATER WAYS.

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAGE:

MAY CLOG DRAINS. AVOID EXCESSIVE HEAT IN STORAGE TO MAINTAIN PRODUCT
QUALITY. OTHER PRECAUTIONS: A COMBUSTIBLE LIQUID ABOVE FLASH POINT.

OTHER PRECAUTIONS:

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS:

LOCAL EXHAUST: NOT REQUIRED

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

SAFETY GLASSES WHERE SPLASHING OCCURS.

SKIN PROTECTION:

PROTECTIVE GLOVES: NONE

RESPIRATORY PROTECTION:

NONE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

EXPOSURE GUIDELINES:

NOT AVAILABLE

WORK HYGIENIC PRACTICES:

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

AMBER COLOR

ODOR:

SLIGHT CHARACTERISTIC ODOR AND TASTE

PHYSICAL STATE

:

PH VALUE

:

PH CONCENTRATION

:

VAPOR PRESSURE VALUE (MMHG): 0.05 MM

TEMPERATURE:

6/26/2005

EPAHO112001096

DEGREES C/F:
VAPOR DENSITY (AIR=1) : NA (LIQUID)
BOILING POINT TEMPERATURE : NA

DEGREES C/F:
MELTING POINT TEMPERATURE :
DEGREES C/F:
FREEZING POINT TEMPERATURE :
DEGREES C/F:

SOLUBILITY IN WATER:
INSOLUBLE

REACTIVITY IN WATER:

SPECIFIC GRAVITY : 0.92
DENSITY (WATER=1)
PARTICLE SIZE :
VOLATILE ORGANIC COMPOUNDS :
(VOC) CONTENT
SOFTENING POINT :
EVAPORATION RATE BASIS (=1):
RATE: NIL

BULK DENSITY :
HEAT VALUE :
PERCENT VOLATILE : NIL
OCTANOL/WATER PARTITION :
COEFFICIENT
SATURATED VAPOR :
CONCENTRATION
MOLECULAR WEIGHT :

MOLECULAR/CHEMICAL FORMULA : MIXED C-18'S
WEIGHT PER GALLON :
VISCOCITY :

-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY:
STABLE

CONDITIONS TO AVOID (STABILITY):
AVOID EXCESSIVE HEATING TO MAINTAIN QUALITY

INCOMPATIBILITY WITH OTHER MATERIALS:
OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:
NONE

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION):

6/26/2005

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-----SECTION 11 - TOXICOLOGICAL INFORMATION-----

COMPONENT :
LD50 VALUE:
UNIT:
ANIMAL:
ROUTES:
LC50 VALUE:
UNIT:
ANIMAL:
ROUTES:

TOXICOLOGICAL INFORMATION:

-----SECTION 12 - ECOLOGICAL INFORMATION-----

ECOLOGICAL INFORMATION:

-----SECTION 13 - DISPOSAL CONSIDERATIONS-----

DISPOSAL CONSIDERATIONS:

MATERIAL IS BIODEGRADABLE AND MAY BE TREATED VIA SANITARY WAST
TREATMENT PLANT OR APPROVED SANITARY LANDFILL. FOLLOW FEDERAL, STATE
OR LOCAL REGULATIONS.

-----SECTION 14 - TRANSPORT INFORMATION-----

U.S. DOT

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

AIR - IACO OR IATA

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

WATER - IMDG

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

6/26/2005

EPAHO112001098

OTHER

REPORTABLE QUANTITY :
ADDITIONAL INFO :

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS: ACUTE:
CHRONIC:
REACTIVE:
FIRE:
PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES: HEALTH:
FLAMMABILITY:
REACTIVITY:
OTHER:

HMIS CODES: HEALTH:
FLAMMABILITY:
REACTIVITY:
PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:

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6/26/2005

EPAHO112001099

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 3:25 PM
Subject: VEGETABLE OIL

Liquids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 03:24 PM -----

Cover Sheet: []

French MSDS:

MSDS NUMBER:
CUSTOMER NUMBER:
STOCK NUMBER:
CIN NUMBER: 0434-00
STCC NUMBER:

Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 12/06/94

MSDS NUMBER: 4819-GATC
PRODUCT NAME: VEGETABLE OILS OR HYDROGENATED VEGETABLE OILS

MSDS ID CODE:
MSDS OTHER CODES ..:
PART NUMBERS: 0434-00

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER: 4819-GATC
PRODUCT NAME: VEGETABLE OILS OR HYDROGENATED VEGETABLE OILS
SYNONYMS:
CHEMICAL NAME: PREDOMINANTLY TRIGLYCERIDES OF MIXED FATTY ACIDS
OF BEGETABLE ORIGIN
CHEMICAL FAMILY ...:
MANUFACTURER: HONEYMEAD PRODUCT COMPANY
DIVISION:
PRODUCT CODES:
ADDRESS: 720 MINNEOPA ROAD
CITY: MANKATO
STATE: MN
ZIP CODE: 56001
EMERGENCY PHONE ...:
CHEMTREC PHONE ...:
OTHER CALLS: 507-625-7911; 507-345-2210
MSDS PREPARED BY ..:
EFFECTIVE DATE ...: 12/06/94
PRINT DATE:
PRODUCT USE

6/26/2005

EPAHO112001100

***** ADDITIONAL INFORMATION *****

MSDA REVISED 12/86

-----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----

INGREDIENT NAME ...: PREDOMINANTLY TRIGLYCERIDES OF MIXED FATTY ACIDS
OF VEGETABLE ORIGIN

COMMON NAME: VEGETABLE OILS OR HYDROGENATED VEGETABLE OILS

CAS NUMBER:

PERCENTAGE:

BY WEIGHT OR VOL. :

HAZARDOUS:

OSHA PEL TWA:

OSHA PEL STEL:

OSAH PEL CEIL:

ACGIH TLV TWA:

ACGIH TLV STEL:

ACGIH TLV CEIL:

***** ADDITIONAL INFORMATION *****

GRAS UNDER THE FOOD, DRUG AND COSMETIC ACT.

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

RELEVANT ROUTE(S) OF EXPOSURE:

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

CHRONIC OVEREXPOSURE:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

POTENTIAL HEALTH EFFECTS:

EYES:

SKIN:

SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER PROLONGED
EXPOSURE OF OIL ON THE SKIN.

INGESTION:

INHALATION:

EXCESSIVE INHALATION OF OIL MIST MAY AFFECT THE RESPIRATORY SYSTEM.
OIL MIST IS CLASSIFIED AS A NUISANCE PARTICULATE BY ACGIH.

CARCINOGENICITY: NTP:

IARC:

OSHA:

ACGIH:

OTHER:

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EPAHO112001101

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

SKIN:

AS WITH ANY HOT LIQUID, HOT OIL CAN BURN THE SKIN. NORMAL FIRST AID PROCEDURES SHOULD BE USED FOR TREATING BURNS.

INGESTION:

INHALATION:

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

***** ADDITIONAL INFORMATION *****

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT:
(% BY VOLUME) : LOWER LIMIT:

FLASH POINT : VALUE : ABOVE 500/260
: DEGREES C/F: F/C
: METHOD USED: AOCs CC 9B-55

AUTOIGNITION TEMPERATURE : TEMPERATURE:
: DEGREES C/F:

EXTINGUISHING MEDIA:

FOAM, CO2, OR DRY CHEMICAL. BECAUSE WATER CAN SPREAD THE FIRE, IT IS ADVISABLE TO AVOID A DIRECT WATER STREAM FOR EXTINGUISHING THE FIRE.

FIRE FIGHTING INSTRUCTIONS:

USE STANDARD FIRE FIGHTING PROCEDURES WHEN EXTINGUISHING FAT OR OIL FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQUELY CONTRIBUTE TO THE INTENSITY OF A FIRE:

***** ADDITIONAL INFORMATION *****

EDIBLE FATS AND OILS WILL BURN.

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED TO PREVENT
AGAINST SLIPPERY SURFACES: SMALL SPILL - ADD SOLID ABSORBENT, SHOVEL
INTO DISPOSABLE CONTAINER AND HOSE DOWN AREA. CLEAN
AREA WITH DETERGENT. LARGE SPILL - SQUEEGEE OR PUMP INTO HOLDING
CONTAINER. CLEAN AREA WITH DETERGENT. DISPOSE OF IN
ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAGE:

STORE AWAY FROM FLAME AND EXCESSIVE HEAT. TO AVOID SPONTANEOUS FIRE,
STORE WIPING RAGS AND SIMILAR MATERIAL IN METAL CANS WITH TIGHT
FITTING LIDS.

OTHER PRECAUTIONS:

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS:

VENTILATION SHOULD BE PROVIDED IN AREAS WHERE HOT OIL IS BEING USED.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

SKIN PROTECTION:

IF HANDLING CONTAINERS OF HOT OIL, INSULATED GLOVES OR PERSONAL
PROTECTION EQUIPMENT MAY BE REQUIRED.

RESPIRATORY PROTECTION:

IF EXPOSED TO OIL MIST, AN APPROPRIATE NIOSH RESPIRATOR FOR ORGANIC
VAPORS MAY BE REQUIRED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

EXPOSURE GUIDELINES:

THRESHOLD LIMIT VALUE: AS LIQUID OR SOLID - NONE
OIL MISTS - 10 MG/M3 TOTAL PARTICULATE

WORK HYGIENIC PRACTICES:

HYGIENIC PRACTICE: MAY BE REMOVED FROM THE SKIN BY WASHING WITH SOAP
AND WARM WATER.

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

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APPEARANCE:

SOLID - WHITE TO YELLOW LIQUID (MELTED) - CLEAR TO YELLOW LIQUID.

ODOR:

PHYSICAL STATE :

PH VALUE :

PH CONCENTRATION :

VAPOR PRESSURE VALUE (MMHG):

TEMPERATURE:

DEGREES C/F:

VAPOR DENSITY (AIR=1) : EXCEEDS 1.0

BOILING POINT TEMPERATURE : N/A

DEGREES C/F:

MELTING POINT TEMPERATURE :

DEGREES C/F:

FREEZING POINT TEMPERATURE :

DEGREES C/F:

SOLUBILITY IN WATER:

INSOLUBLE.

REACTIVITY IN WATER:

SPECIFIC GRAVITY : MELTED 0.70-0.95

DENSITY (WATER=1)

PARTICLE SIZE :

VOLATILE ORGANIC COMPOUNDS :

(VOC) CONTENT

SOFTENING POINT :

EVAPORATION RATE BASIS (=1):

RATE:

BULK DENSITY :

HEAT VALUE :

PERCENT VOLATILE :

OCTANOL/WATER PARTITION :

COEFFICIENT

SATURATED VAPOR :

CONCENTRATION

MOLECULAR WEIGHT :

MOLECULAR/CHEMICAL FORMULA :

WEIGHT PER GALLON :

VISCOCITY :

-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY:

STABLE. NO KNOWN REACTIVITY PROBLEMS.

CONDITIONS TO AVOID (STABILITY):

INCOMPATIBILITY WITH OTHER MATERIALS:

6/26/2005

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HAZARDOUS DECOMPOSITION PRODUCTS:

HAZARDOUS POLYMERIZATION:

CONDITIONS TO AVOID (POLYMERIZATION):

-----SECTION 11 - TOXICOLOGICAL INFORMATION -----

COMPONENT :

LD50 VALUE:

UNIT:

ANIMAL:

ROUTES:

LC50 VALUE:

UNIT:

ANIMAL:

ROUTES:

TOXICOLOGICAL INFORMATION:

-----SECTION 12 - ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION:

-----SECTION 13 - DISPOSAL CONSIDERATIONS -----

DISPOSAL CONSIDERATIONS:

-----SECTION 14 - TRANSPORT INFORMATION -----

U.S. DOT

PROPER SHIPPING NAME :

HAZARD CLASS :

ID NUMBER :

PACKING GROUP :

LABELS :

AIR - IACO OR IATA

PROPER SHIPPING NAME :

HAZARD CLASS :

ID NUMBER :

PACKING GROUP :

LABELS :

WATER - IMDG

PROPER SHIPPING NAME :

HAZARD CLASS :

6/26/2005

EPAHO112001105

ID NUMBER :
 PACKING GROUP :
 LABELS :

OTHER

REPORTABLE QUANTITY :
 ADDITIONAL INFO :

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS: ACUTE:
 CHRONIC:
 REACTIVE:
 FIRE:
 PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES: HEALTH:
 FLAMMABILITY:
 REACTIVITY:
 OTHER:

HMIS CODES: HEALTH: 0
 FLAMMABILITY: 1
 REACTIVITY: 0
 PROTECTION: B

LABEL STATEMENTS:

OTHER INFORMATION:

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This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

6/26/2005

EPAHO112001106

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 3:15 PM
Subject: Rape Seed Oil

Liquids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 03:13 PM -----

Cover Sheet: []

French MSDS:

MSDS NUMBER:

CUSTOMER NUMBER:

STOCK NUMBER:

CIN NUMBER: 0220-00

STCC NUMBER: 2093342

Material Safety Data Sheet

CARGILL FOODS

MATERIAL SAFETY DATA SHEET

DATE ISSUED: 06/12/1991

DATE REVISED: 06/01/1998

DATE REVIEWED: 04/12/2000

CARGILL PRODUCT: CRUDE CANOLA OIL

PRODUCT NAME: CRUDE CANOLA OIL

TRADE NAME AND SYNONYMS: CRUDE CANOLA OIL

CHEMICAL FAMILY: GLYCERIDE OILS

CAS NUMBER: 8002-13-9

HMIS CODE

H 0

F 1

R 0

P A

-----SECTION I -MANUFACTURER'S IDENTIFICATION -----

MANUFACTURER'S NAME: CARGILL, INCORPORATED
ADDRESS: VEGETABLE OILS, P.O. BOX 5396
P.O. BOX 9300
MINNEAPOLIS, MINNESOTA 55440

6/26/2005

EPAHO112001107

24 HOUR EMERGENCY ASSISTANCE: CHEMTREC: (800) 424-9300
GENERAL MSDS ASSISTANCE: (612) 742-6683

-----SECTION II -HAZARDOUS INGREDIENTS/IDENTITY INFORMATION -----

IS NOT HAZARDOUS UNDER THE DEPARTMENT OF LABOR DEFINITIONS. IS GENERALLY
RECOGNIZED AS SAFE (GRAS) UNDER FOOD DRUG AND COSMETIC ACT.

-----SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS -----

BOILING RANGE: NOT APPLICABLE
VAPOR DENSITY: EXCEEDS 1.0
SPECIFIC GRAVITY (H2O=1): .914 - .917
VAPOR PRESSURE: NOT APPLICABLE
PERCENT VOLATILE BY VOLUME: 0 %
SOLUBILITY IN WATER: INSOLUBLE
EVAPORATION RATE: NOT APPLICABLE
WEIGHT/GALLON: 7.65 LBS. AT 60 DEG. F.
APPEARANCE AND ODOR: A DARK BROWN, OILY LIQUID - TYPICAL CRUDE VEGETABLE
OIL ODOR.

-----SECTION IV FIRE AND EXPLOSION HAZARD DATA -----

FLAMMABILITY CLASSIFICATION: COMBUSTIBLE LIQUID - CLASS IIIB.
FLASH POINT: 275 - 290 DEG. F.
METHOD USED: CLEVELAND OPEN CUP
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, SAND.

SPECIAL FIREFIGHTING PROCEDURES:
THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.
AVOID USE OF WATER AS IT MAY SPREAD FIRE BY DISPERSING OIL. USE WATER TO KEEP
FIRE-EXPOSED CONTAINERS COOL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
RAGS AND WASTE PAPER CONTAINING THIS MATERIAL MAY HEAT AND BURN SPONTANEOUSLY.
WHEN MATERIAL PRESENTING A LARGE SURFACE AREA, SUCH AS RAGS, FILTER CLAY, ETC.
IS SATURATED WITH CANOLA OIL, SPONTANEOUS COMBUSTION MAY RESULT.

-----SECTION V -REACTIVITY DATA -----

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STABILITY:
SPONTANEOUS COMBUSTION CAN OCCUR. SEE UNUSUAL FIRE AND EXPLOSION PROCEDURES,
SECTION IV.

CONDITIONS TO AVOID:
HIGH SURFACE AREA EXPOSURE TO OXYGEN CAN RESULT IN POLYMERIZATION AND RELEASE
OF HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

-----SECTION VI -HEALTH HAZARD DATA -----

THRESHOLD LIMIT VALUE:
AS A LIQUID - NONE. AS AN OIL MIST - 10 MG/M3 TOTAL PARTICULATE.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
EXCESSIVE INHALATION OF OIL MIST MAY AFFECT THE RESPIRATORY SYSTEM. OIL MIST IS
CLASSIFIED AS A NUISANCE PARTICULATE BY ACGIH.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER LONG EXPOSURE OF OIL ON
SKIN.

HEALTH HAZARDS (ACUTE AND CHRONIC):
ACUTE: NONE OBSERVED BY INHALATION.
CHRONIC: NONE REPORTED.

EMERGENCY AND FIRST AID PROCEDURES FOR:

SKIN CONTACT: MAY BE REMOVED FROM SKIN BY WASHING WITH SOAP AND WARM WATER.

INHALATION: EXPOSE INDIVIDUAL TO FRESH AIR SOURCE.

-----SECTION VII -PRECAUTIONS FOR SAFE HANDLING AND USE -----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

DEPENDING ON QUANTITY OF SPILL:

(A) SMALL SPILL -
ADD SOLID ADSORBENT, SHOVEL INTO DISPOSABLE CONTAINER AND HOSE DOWN AREA. CLEAN
AREA WITH DETERGENT.

(B) LARGE SPILL -
SQUEEGEE OR PUMP INTO HOLDING CONTAINER. CLEAN AREA WITH DETERGENT.

WASTE DISPOSAL METHOD:

6/26/2005

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DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

-----SECTION VIII -CONTROL MEASURES -----

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED.

VENTILATION: INTERMITTENT CLEAN AIR EXCHANGES RECOMMENDED, BUT NOT REQUIRED.

PROTECTIVE GLOVES: NOT NORMALLY NEEDED.

EYE PROTECTION: NOT NORMALLY NEEDED.

-----SECTION IX -SPECIAL PRECAUTIONS -----

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
STORE AWAY FROM FLAME AND FIRE, AND EXCESSIVE HEAT.

-----SECTION X -DISCLAIMER AND/OR COMMENTS -----

WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR RE-USE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS.

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES THAT WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS.

THE CONDITIONS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

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6/26/2005

EPAHO112001110

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <Mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 8:50 AM
Subject: AMMONIUM SULFATE

Matt, this is the first of a series of e-mail I will send with MSDS this is for Solids

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 08:44 AM -----

Cover Sheet: ☐

French MSDS:

MSDS NUMBER:
CUSTOMER NUMBER: G1821
STOCK NUMBER:
CIN NUMBER: 0259-00
STCC NUMBER: 28 191 55

Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 01/06/92

MSDS NUMBER: 5884-GATC
PRODUCT NAME: AMMONIUM SULFATE

MSDS ID CODE:
MSDS OTHER CODES ..: G1821
PART NUMBERS: 0259-00

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER: 5884-GATC
PRODUCT NAME: AMMONIUM SULFATE
SYNONYMS:
CHEMICAL NAME:
CHEMICAL FAMILY ...:
MANUFACTURER: GENEVA STEEL
DIVISION:
PRODUCT CODES:
ADDRESS: 10 SOUTH GENEVA RD.
CITY: VINEYARD
STATE: UT
ZIP CODE: 84057
EMERGENCY PHONE ...: 801-227-9475
CHEMTREC PHONE ...: 800-424-9300
OTHER CALLS: 801-227-9475 (INFO.); 801-227-9454 (FAX);
800-424-9346 (RCRA HOTLINE)
MSDS PREPARED BY ..:
EFFECTIVE DATE ...: 01/06/92
PRINT DATE:
PRODUCT USE:

6/26/2005

EPAHO112001111

***** ADDITIONAL INFORMATION *****

REPLACES: 07/10/90

COMMON NAMES: SULFATE OF AMMONIA

-----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----

INGREDIENT NAME ...: AMMONIUM SULFATE

COMMON NAME

CAS NUMBER: 7783-20-2

PERCENTAGE: 98-100

BY WEIGHT OR VOL. : W

HAZARDOUS

OSHA PEL TWA: ---

OSHA PEL STEL

OSAH PEL CEIL

ACGIH TLV TWA: ---

ACGIH TLV STEL

ACGIH TLV CEIL

INGREDIENT NAME ...: WATER

COMMON NAME

CAS NUMBER: 1333-86-4

PERCENTAGE: 0-2

BY WEIGHT OR VOL. : W

HAZARDOUS

OSHA PEL TWA: ---

OSHA PEL STEL

OSAH PEL CEIL

ACGIH TLV TWA: ---

ACGIH TLV STEL

ACGIH TLV CEIL

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

RELEVANT ROUTE(S) OF EXPOSURE:
INHALATION.

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

CHRONIC OVEREXPOSURE:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

POTENTIAL HEALTH EFFECTS:

EYES:

DIRECT CONTACT WITH EYES MAY PRODUCE IRRITATION AND CAUSE CONJUNCTIVAL
EDEMA.

6/26/2005

EPAHO112001112

SKIN:

CONTACT WITH SKIN MAY CAUSE MODERATE TO SEVERE IRRITATION OR DERMATITIS. PROLONGED OR REPEATED CONTACT MAY CAUSE RASH, OR MAY AID IN THE DEVELOPMENT OF SECONDARY SKIN INFECTIONS. ABSORPTION OR DERMATITIS MAY BE MORE RAPID IN THE CASE OF ABRADED SKIN.

INGESTION:

MAY CAUSE GASTROINTESTINAL DISTURBANCES, SUCH AS NAUSEA, VOMITING AND DIARRHEA.

INHALATION:

PROLONGED OR REPEATED BREATHING OF DUST MAY BE IRRITATING TO THE MUCOUS MEMBRANES OR THE EYES, NOSE, THROAT AND UPPER RESPIRATORY

TRACT.

CARCINOGENICITY: NTP:

IARC:

OSHA:

ACGIH:

OTHER:

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

FLUSH WELL WITH RUNNING WATER FOR 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS UNTIL NO EVIDENCE OF MATERIAL REMAINS. SEEK MEDICAL ATTENTION.

SKIN:

REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL ADVICE.

INGESTION:

MAY CAUSE GASTROINTESTINAL DISTURBANCES, SUCH AS NAUSEA, VOMITING AND DIARRHEA.

INHALATION:

IMMEDIATELY REMOVE FROM EXPOSURE TO FRESH AIR. IF BREATHING IS DIFFICULT OR HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION OR OXYGEN AS INDICATED. SEEK MEDICAL AID PROMPTLY.

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

***** ADDITIONAL INFORMATION *****

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT: NA
(% BY VOLUME) : LOWER LIMIT: NA

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FLASH POINT : VALUE : NA
: DEGREES C/F:
: METHOD USED:

AUTOIGNITION TEMPERATURE : TEMPERATURE: NA
: DEGREES C/F:

EXTINGUISHING MEDIA:

WILL NOT BURN, BUT ON EXPOSURE TO HEAT OR DIRECT FIRE USE WATER SPRAY OR WATER FLOODING.

FIRE FIGHTING INSTRUCTIONS:

FIREFIGHTER SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING BECAUSE TOXIC SULFUR OXIDES AND AMMONIA GASES MAY BE FORMED AT AND ABOVE DECOMPOSITION TEMPERATURES. WATER SPRAY CAN BE USED TO KEEP FIRE-EXPOSED AMMONIUM SULFATE AND OTHER MATERIALS COOL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQUELY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:

PREVENT LARGE QUANTITIES FROM CONTACT WITH VEGETATION OR WATERWAYS. ALTHOUGH AMMONIUM SULFATE IS A PLANT FOOD OR FERTILIZER, LARGE SPILLS MAY KILL VEGETATION IN THE IMMEDIATE VICINITY OF THE SPILL. CONTAMINATED OF WATERWAYS MAY CAUSE FISH KILL. TRANSPORTATION EMERGENCIES: CALL CHEMTREC (800) 424-9300

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAGE:

DO NOT BREATHE DUST. AVOID SKIN AND EYE CONTACT WITH DUST OR SOLUTIONS.

OTHER PRECAUTIONS:

OTHER COMMENTS: NO UNUSUAL PRECAUTIONS ARE BELIEVED TO BE NECESSARY OTHER THAN THOSE INDICATED ABOVE.

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

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ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS:

LOCAL EXHAUST SYSTEM MAY BE NECESSARY TO CONTROL EMISSIONS TO THE SOURCE. GENERAL DILUTION VENTILATION MAY HELP REDUCE AIR CONTAMINANT CONCENTRATIONS.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

WORKERS MUST WEAR CHEMICAL SAFETY SPLASH GOGGLES TO PREVENT EYE CONTACT WITH SOLUTIONS OR DUST.

SKIN PROTECTION:

NEOPRENE, NITRILE AND PVC PROTECTIVE CLOTHING HAS BEEN SUGGESTED FOR PROTECTION AGAINST MATERIALS OF THIS CHEMICAL CLASS (ACGIH GUIDELINE FOR THE SELECTION OF CHEMICAL PROTECTIVE CLOTHING, 1983).

RESPIRATORY PROTECTION:

USE RESPIRATORS APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST INHALATION OF EXCESSIVE DUST. USE SUPPLIED AIR RESPIRATORS AT EXTREMELY HIGH CONCENTRATION LEVELS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

EMERGENCY EYEWASH STATIONS AND DELUGE SAFETY SHOWERS SHOULD BE AVAILABLE IN THE WORK AREA.

EXPOSURE GUIDELINES:

WORK HYGIENIC PRACTICES:

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

WHITE TO BROWNISH GRAY CRYSTALS AND/OR GRANULES

ODOR:

PHYSICAL STATE :

PH VALUE : 4.5

PH CONCENTRATION : 10% SOLUTION

VAPOR PRESSURE VALUE (MMHG):

TEMPERATURE:

DEGREES C/F:

VAPOR DENSITY (AIR=1) :

BOILING POINT TEMPERATURE : TOTAL DECOMPOSITION AT 955/513

DEGREES C/F: F/C

MELTING POINT TEMPERATURE : 297/147 (FORMS BISULFATE AT 212/110)

DEGREES C/F: F/C (F/C)

FREEZING POINT TEMPERATURE :

DEGREES C/F:

SOLUBILITY IN WATER:
43% AT 62 F/17 C

REACTIVITY IN WATER:

SPECIFIC GRAVITY : 1.77
DENSITY (WATER=1)
PARTICLE SIZE :
VOLATILE ORGANIC COMPOUNDS :
(VOC) CONTENT
SOFTENING POINT :
EVAPORATION RATE BASIS (=1):
RATE:
BULK DENSITY :
HEAT VALUE :
PERCENT VOLATILE :
OCTANOL/WATER PARTITION :
COEFFICIENT
SATURATED VAPOR :
CONCENTRATION
MOLECULAR WEIGHT : 132.14
MOLECULAR/CHEMICAL FORMULA : (NH4)2SO4
WEIGHT PER GALLON :
VISCOCITY :

-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY:

CONDITIONS TO AVOID (STABILITY):

NA CONDITIONS CONTRIBUTING TO INSTABILITY: EXTREME HEAT

INCOMPATIBILITY WITH OTHER MATERIALS:

STRONG BASES SUCH AS CAUSTIC SODA, LIME, ETC., MAY GENERATE AMMONIA FUMES.

HAZARDOUS DECOMPOSITION PRODUCTS:

SULFUR OXIDES AND AMMONIA

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR/NOT CURRENTLY KNOWN

CONDITIONS TO AVOID (POLYMERIZATION):

-----SECTION 11 - TOXICOLOGICAL INFORMATION -----

COMPONENT :

LD50 VALUE:
UNIT:
ANIMAL:
ROUTES:
LC50 VALUE:
UNIT:

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ANIMAL:
 ROUTES:

TOXICOLOGICAL INFORMATION:

-----SECTION 12 - ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION:

-----SECTION 13 - DISPOSAL CONSIDERATIONS -----

DISPOSAL CONSIDERATIONS:

IF DISPOSAL IS NECESSARY AND IT CANNOT BE USED AS FERTILIZER, COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. IF CONTAMINATED WITH OTHER MATERIALS, THE NATURE AND EXTENT OF CONTAMINATION MAY REQUIRE USE OF SPECIALIZED DISPOSAL METHODS DUE TO REGULATIONS PERTAINING TO THOSE CONTAMINANTS. FOR HAZARDOUS WASTE REGULATIONS CALL THE RCRA HOTLINE 800-424-9346

-----SECTION 14 - TRANSPORT INFORMATION -----

U.S. DOT

PROPER SHIPPING NAME :
 HAZARD CLASS :
 ID NUMBER :
 PACKING GROUP :
 LABELS :

AIR - IACO OR IATA

PROPER SHIPPING NAME :
 HAZARD CLASS :
 ID NUMBER :
 PACKING GROUP :
 LABELS :

WATER - IMDG

PROPER SHIPPING NAME :
 HAZARD CLASS :
 ID NUMBER :
 PACKING GROUP :
 LABELS :

OTHER

REPORTABLE QUANTITY :
 ADDITIONAL INFO : OTHER COMMENTS: NO UNUSUAL PRECAUTIONS ARE BELIEVED TO BE NECESSARY OTHER THAN THOSE INDICATED ABOVE.

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-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS: ACUTE:
 CHRONIC:
 REACTIVE:
 FIRE:
 PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES: HEALTH:
 FLAMMABILITY:
 REACTIVITY:
 OTHER:

HMIS CODES: HEALTH:
 FLAMMABILITY:
 REACTIVITY:
 PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:

THIS INFORMATION IS TAKEN FROM SOURCES OR BASED UPON DATA BELIEVED TO BE RELIABLE; HOWEVER, GENEVA STEEL MAKES NO WARRANTY AS TO THE ABSOLUTE CORRECTNESS OR SUFFICIENCY OF ANY OF THE FOREGOING OR THAT ADDITIONAL OF OTHER SPECIAL PROTECTIVE MEASURES MAY NOT BE REQUIRED UNDER UNUSUAL OR PARTICULAR CONDITIONS WHICH MAY BE ASSOCIATED WITH THE NORMAL USE OF THIS PRODUCT. SINCE THE USE AND/OR MISUSE OF THIS PRODUCT IS NOT WITHIN THE CONTROL OF GENEVA STEEL, IT IS THE USER'S OBLIGATION TO ASSURE CONDITIONS OF SAFE USE AND DISPOSAL OF THIS PRODUCT.

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

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6/26/2005

EPAHO112001118

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 10:27 AM
Subject: TRIETHYLENE GLYCOL

Solids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 10:27 AM -----

Cover Sheet: ☐

French MSDS:

MSDS NUMBER:

CUSTOMER NUMBER:

STOCK NUMBER:

CIN NUMBER: 0264-00

STCC NUMBER: 28-185-58

Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

ASHLAND

TRIETHYLENE GLYCOL

DATE PREPARED: 02/17/00

DATE PRINTED: 04/24/00

MSDS NO.: 999.0003553-004.002

-----1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION -----

MATERIAL IDENTITY

PRODUCT NAME: TRIETHYLENE GLYCOL

GENERAL OR GENERIC ID: GLYCOL

COMPANY: ASHLAND

ASHLAND DISTRIBUTION CO. &
ASHLAND SPECIALTY CHEMICAL CO.
P.O. BOX 2219
COLUMBUS, OH 43216
614-790-3333

EMERGENCY TELEPHONE NUMBER: 1-800-ASHLAND (1-800-274-5263) 24 HOURS EVERYDAY

REGULATORY INFORMATION NUMBER: 1-800-325-3751

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-----2. COMPOSITION/INFORMATION ON INGREDIENTS -----

INGREDIENT(S)	CAS NUMBER	% (BY WEIGHT)
TRIETHYLENE GLYCOL	112-27-6	98.0-100.0
DIETHYLENE GLYCOL	111-46-6	0.0- 4.2

-----3. HAZARDS IDENTIFICATION -----

POTENTIAL HEALTH EFFECTS:

EYE:

MAY CAUSE MILD EYE IRRITATION. SYMPTOMS INCLUDE STINGING, TEARING, AND REDNESS.

SKIN:

MAY CAUSE MILD SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS AND BURNING OF SKIN. PASSAGE OF THIS MATERIAL INTO THE BODY THROUGH THE SKIN IS POSSIBLE, BUT IT IS UNLIKELY THAT THIS WOULD RESULT IN HARMFUL EFFECTS DURING SAFE HANDLING AND USE.

SWALLOWING:

SWALLOWING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.

INHALATION:

IT IS POSSIBLE TO BREATHE THIS MATERIAL UNDER CERTAIN CONDITIONS OF HANDLING AND USE (FOR EXAMPLE, DURING HEATING, SPRAYING, OR STIRRING). BREATHING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE AMOUNTS MAY BE HARMFUL.

SYMPTOMS OF EXPOSURE:

SIGNS AND SYMPTOMS OF EXPOSURE TO THIS MATERIAL THROUGH BREATHING, SWALLOWING, AND/OR PASSAGE OF THE MATERIAL THROUGH THE SKIN MAY INCLUDE:

TARGET ORGAN EFFECTS:

OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: MILD, REVERSIBLE LIVER EFFECTS, MILD, REVERSIBLE KIDNEY EFFECTS.

DEVELOPMENTAL INFORMATION:

THIS MATERIAL (OR A COMPONENT) HAS BEEN SHOWN TO CAUSE HARM TO THE FETUS IN LABORATORY ANIMAL STUDIES. HARM TO THE FETUS OCCURS ONLY AT EXPOSURE LEVELS THAT HARM THE PREGNANT ANIMAL. THE RELEVANCE OF THESE FINDINGS TO HUMANS IS UNCERTAIN.

CANCER INFORMATION:

THERE IS NO INFORMATION AVAILABLE. THE CHANCE OF THIS MATERIAL CAUSING CANCER IS UNKNOWN. THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, THE NATIONAL TOXICOLOGY PROGRAM, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

OTHER HEALTH EFFECTS: NO DATA

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PRIMARY ROUTE(S) OF ENTRY:

INHALATION, SKIN ABSORPTION, SKIN CONTACT, EYE CONTACT, INGESTION.

-----4. FIRST AID MEASURES -----

EYES:

IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES GENTLY WITH WATER WHILE HOLDING EYELIDS APART. IF SYMPTOMS PERSIST OR THERE IS ANY VISUAL DIFFICULTY, SEEK MEDICAL ATTENTION.

SKIN:

REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE.

SWALLOWING:

SEEK MEDICAL ATTENTION. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDIVIDUAL ON THE LEFT SIDE WITH THE HEAD DOWN. CONTACT A PHYSICIAN, MEDICAL FACILITY, OR POISON CONTROL CENTER FOR ADVICE ABOUT WHETHER TO INDUCE VOMITING. IF POSSIBLE, DO NOT LEAVE INDIVIDUAL UNATTENDED.

INHALATION:

IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. KEEP PERSON WARM AND QUIET; SEEK IMMEDIATE MEDICAL ATTENTION.

NOTE TO PHYSICIANS: NO DATA

-----5. FIRE FIGHTING MEASURES -----

FLASH POINT: 331.0 F (166.1 C) TOC

EXPLOSIVE LIMIT: (FOR PRODUCT)

LOWER: .9

UPPER: 9.2 %

AUTOIGNITION TEMPERATURE: 657.0 F (347.2 C)

HAZARDOUS PRODUCTS OF COMBUSTION:

MAY FORM: CARBON DIOXIDE AND CARBON MONOXIDE.

FIRE AND EXPLOSION HAZARDS:

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

EXTINGUISHING MEDIA: ALCOHOL FOAM, WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.

FIRE FIGHTING INSTRUCTIONS:

WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER. WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT. WEAR A SELF-CONTAINED BREATHING APPARATUS

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WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT. REFER TO THE PERSONAL PROTECTIVE EQUIPMENT SECTION OF THIS MSDS.

NFPA RATING:

HEALTH - 1
FLAMMABILITY - 1
REACTIVITY - 0

-----6. ACCIDENTAL RELEASE MEASURES -----

SMALL SPILL:

PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL. MATERIAL SHOULD BE CAREFULLY SWEEPED ONTO PAPER. AREA OF SPILL SHOULD THEN BE THOROUGHLY WASHED TO REMOVE ANY RESIDUAL CONTAMINATION, CAPTURING WASH, AND DISPOSING OF WASH PROPERLY.

LARGE SPILL:

PER GOOD ENVIRONMENTAL MANAGEMENT PRACTICES, PREVENT RUN-OFF TO SEWERS, STREAMS AND OTHER BODIES OF WATER. STOP SPILL AT THE SOURCE. COVER SEWER GRATES AND DIKE THE SPILL. ABSORB SPILLED MATERIAL ON TO ABSORBENTS. SHOVEL MATERIALS INTO CONTAINER. CLOSE CONTAINER TIGHTLY AND DISPOSE OF PROPERLY.

-----7. HANDLING AND STORAGE -----

HANDLING:

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. WARNING. SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE AND PRESSURE, OR SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT, MAY RESULT IN IGNITIONS WITHOUT THE PRESENCE OF OBVIOUS IGNITION SOURCES. PUBLISHED "AUTOIGNITION" OR "IGNITION" TEMPERATURE VALUES CANNOT BE TREATED AS SAFE OPERATING TEMPERATURES IN CHEMICAL PROCESSES WITHOUT ANALYSIS OF THE ACTUAL PROCESS CONDITIONS. ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

-----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

EYE PROTECTION:

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. CONSULT YOUR SAFETY REPRESENTATIVE.

SKIN PROTECTION:

WEAR RESISTANT GLOVES SUCH AS: POLYVINYL CHLORIDE, TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS..

RESPIRATORY PROTECTIONS:

IF OVEREXPOSURE HAS BEEN DETERMINED OR DOCUMENTED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER

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ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER.) ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

ENGINEERING CONTROLS:

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW LEVEL OF OVEREXPOSURE (FROM KNOWN, SUSPECTED OR APPARENT ADVERSE EFFECTS).

EXPOSURE GUIDELINES

COMPONENT

TRIETHYLENE GLYCOL (112-27-6)
NO EXPOSURE LIMITS ESTABLISHED

DIETHYLENE GLYCOL (111-46-6)
NO EXPOSURE LIMITS ESTABLISHED

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

BOILING POINT (FOR PRODUCT): 532.0 - 572.0 F (277.7 - 300.0 C) @ 760 MMHG

VAPOR PRESSURE (FOR PRODUCT): < .010 MMHG @ 68.00 F

SPECIFIC VAPOR DENSITY: 5.200 @ AIR = 1

SPECIFIC GRAVITY: 1.124 - 1.126 @ 68.00 F

LIQUID DENSITY:

9.360 LBS/GAL @ 68.00 F

1.124 KG/L @ 20.00 C

PERCENT VOLATILES: NO DATA

VOLATILE ORGANIC COMPOUNDS (VOC):

> 999.000 G/L

9.360 LBS/GAL

EVAPORATION RATE: < .01 (N-BUTYL ACETATE)

APPEARANCE: CLEAR COLORLESS LIQUID

STATE: LIQUID

PHYSICAL FORM: HOMOGENEOUS SOLUTION

COLOR: CLEAR, ALPHA COLOR 25 MAX

ODOR: ODORLESS

PH: NOT APPLICABLE

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FREEZING POINT: 23.0 F (-5.0 C)

MOLECULAR WEIGHT: 150.2

SOLUBILITY IN WATER: COMPLETE

BULK DENSITY: 1.250 LBS/FT3

-----10. STABILITY AND REACTIVITY -----

HAZARDOUS POLYMERIZATION: PRODUCT WILL NOT UNDERGO HAZARDOUS POLYMERIZATION.

HAZARDOUS DECOMPOSITION:

MAY FORM: ACETALDEHYDE, ALDEHYDES, CARBON DIOXIDE AND CARBON MONOXIDE, DIOXOLANES, ETHYLENE GLYCOL MONOMETHYL ETHER, FORMALDEHYDE.

CHEMICAL STABILITY: STABLE.

INCOMPATIBILITY:

AVOID CONTACT WITH: STRONG ACIDS, STRONG BASES, STRONG OXIDIZING AGENTS.

-----11. TOXICOLOGICAL INFORMATION -----

NO DATA

-----12. ECOLOGICAL INFORMATION -----

NO DATA

-----13. DISPOSAL CONSIDERATION -----

WASTE MANAGEMENT INFORMATION:

FOR ASSISTANCE WITH YOUR WASTE MANAGEMENT NEEDS - INCLUDING DISPOSAL, RECYCLING AND WASTE STREAM REDUCTION, CONTACT ASHLAND DISTRIBUTION COMPANY, IC&S ENVIRONMENTAL SERVICES GROUP AT 800-637-7922.

-----14. TRANSPORT INFORMATION -----

DOT INFORMATION - 49 CFR 172.101

DOT DESCRIPTION: NON-REGULATED BY D.O.T.

CONTAINER/MODE: 55 GAL DRUM/TRUCK PACKAGE

NOS COMPONENT: NONE

RQ (REPORTABLE QUANTITY) - 49 CFR 172.101: NOT APPLICABLE

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-----15. REGULATORY INFORMATION -----

US FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCES CONTROL ACT) STATUS:

TSCA (UNITED STATES) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

CERCLA RQ - 40 CFR 302.4(A): NONE LISTED

SARA 302 COMPONENTS - 40 CFR 355 APPENDIX A: NONE

SECTION 311/312 HAZARD CLASS - 40 CFR 370.2

IMMEDIATE ()

DELAYED (X)

FIRE ()

REACTIVE ()

SUDDEN RELEASE OF PRESSURE ()

SARA 313 COMPONENTS - 40 CFR 372.65: NONE

OSHA PROCESS SAFETY MANAGEMENT 29 CFR 1910: NONE LISTED

EPA ACCIDENTAL RELEASE PREVENTION 40 CFR 68: NONE LISTED

INTERNATIONAL REGULATIONS:

INVENTORY STATUS:

AICS (AUSTRALIA) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

DSL (CANADA) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

ECL (SOUTH KOREA) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

EINECS (EUROPE) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

ENCS (JAPAN) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

STATE AND LOCAL REGULATIONS

CALIFORNIA PROPOSITION 65:

THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER:

1,4-DIOXANE

PENNSYLVANIA RTK LABEL INFORMATION:

ETHANOL, 2,2'-1,2-ETHANEDIYLBIS(OXY) UBI 112-27-6

ETHANOL, 2,2'-OXYBIS- 111-46-6

-----16. OTHER INFORMATION -----

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

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6/26/2005

EPAHO112001126

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 3:15 PM
Subject: Rape Seed Oil

Liquids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 03:13 PM -----

Cover Sheet: ☐

French MSDS:

MSDS NUMBER:

CUSTOMER NUMBER:

STOCK NUMBER:

CIN NUMBER: 0220-00

STCC NUMBER: 2093342

Material Safety Data Sheet

CARGILL FOODS

MATERIAL SAFETY DATA SHEET

DATE ISSUED: 06/12/1991

DATE REVISED: 06/01/1998

DATE REVIEWED: 04/12/2000

CARGILL PRODUCT: CRUDE CANOLA OIL

PRODUCT NAME: CRUDE CANOLA OIL

TRADE NAME AND SYNONYMS: CRUDE CANOLA OIL

CHEMICAL FAMILY: GLYCERIDE OILS

CAS NUMBER: 8002-13-9

HMIS CODE

H 0

F 1

R 0

P A

-----SECTION I -MANUFACTURER'S IDENTIFICATION -----

MANUFACTURER'S NAME: CARGILL, INCORPORATED
ADDRESS: VEGETABLE OILS, P.O. BOX 5396
P.O. BOX 9300
MINNEAPOLIS, MINNESOTA 55440

6/26/2005

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24 HOUR EMERGENCY ASSISTANCE: CHEMTREC: (800) 424-9300
GENERAL MSDS ASSISTANCE: (612) 742-6683

-----SECTION II -HAZARDOUS INGREDIENTS/IDENTITY INFORMATION -----

IS NOT HAZARDOUS UNDER THE DEPARTMENT OF LABOR DEFINITIONS. IS GENERALLY
RECOGNIZED AS SAFE (GRAS) UNDER FOOD DRUG AND COSMETIC ACT.

-----SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS -----

BOILING RANGE: NOT APPLICABLE
VAPOR DENSITY: EXCEEDS 1.0
SPECIFIC GRAVITY (H2O=1): .914 - .917
VAPOR PRESSURE: NOT APPLICABLE
PERCENT VOLATILE BY VOLUME: 0 %
SOLUBILITY IN WATER: INSOLUBLE
EVAPORATION RATE: NOT APPLICABLE
WEIGHT/GALLON: 7.65 LBS. AT 60 DEG. F.
APPEARANCE AND ODOR: A DARK BROWN, OILY LIQUID - TYPICAL CRUDE VEGETABLE
OIL ODOR.

-----SECTION IV FIRE AND EXPLOSION HAZARD DATA -----

FLAMMABILITY CLASSIFICATION: COMBUSTIBLE LIQUID - CLASS IIIB.
FLASH POINT: 275 - 290 DEG. F.
METHOD USED: CLEVELAND OPEN CUP
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, SAND.
SPECIAL FIREFIGHTING PROCEDURES:
THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.
AVOID USE OF WATER AS IT MAY SPREAD FIRE BY DISPERSING OIL. USE WATER TO KEEP
FIRE-EXPOSED CONTAINERS COOL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
RAGS AND WASTE PAPER CONTAINING THIS MATERIAL MAY HEAT AND BURN SPONTANEOUSLY.
WHEN MATERIAL PRESENTING A LARGE SURFACE AREA, SUCH AS RAGS, FILTER CLAY, ETC.
IS SATURATED WITH CANOLA OIL, SPONTANEOUS COMBUSTION MAY RESULT.

-----SECTION V -REACTIVITY DATA -----

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STABILITY:

SPONTANEOUS COMBUSTION CAN OCCUR. SEE UNUSUAL FIRE AND EXPLOSION PROCEDURES, SECTION IV.

CONDITIONS TO AVOID:

HIGH SURFACE AREA EXPOSURE TO OXYGEN CAN RESULT IN POLYMERIZATION AND RELEASE OF HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

-----SECTION VI -HEALTH HAZARD DATA -----

THRESHOLD LIMIT VALUE:

AS A LIQUID - NONE. AS AN OIL MIST - 10 MG/M3 TOTAL PARTICULATE.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EXCESSIVE INHALATION OF OIL MIST MAY AFFECT THE RESPIRATORY SYSTEM. OIL MIST IS CLASSIFIED AS A NUISANCE PARTICULATE BY ACGIH.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER LONG EXPOSURE OF OIL ON SKIN.

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE: NONE OBSERVED BY INHALATION.

CHRONIC: NONE REPORTED.

EMERGENCY AND FIRST AID PROCEDURES FOR:

SKIN CONTACT: MAY BE REMOVED FROM SKIN BY WASHING WITH SOAP AND WARM WATER.

INHALATION: EXPOSE INDIVIDUAL TO FRESH AIR SOURCE.

-----SECTION VII -PRECAUTIONS FOR SAFE HANDLING AND USE -----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

DEPENDING ON QUANTITY OF SPILL:

(A) SMALL SPILL -

ADD SOLID ADSORBENT, SHOVEL INTO DISPOSABLE CONTAINER AND HOSE DOWN AREA. CLEAN AREA WITH DETERGENT.

(B) LARGE SPILL -

SQUEEGEE OR PUMP INTO HOLDING CONTAINER. CLEAN AREA WITH DETERGENT.

WASTE DISPOSAL METHOD:

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DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

-----SECTION VIII -CONTROL MEASURES -----

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED.

VENTILATION: INTERMITTENT CLEAN AIR EXCHANGES RECOMMENDED, BUT NOT REQUIRED.

PROTECTIVE GLOVES: NOT NORMALLY NEEDED.

EYE PROTECTION: NOT NORMALLY NEEDED.

-----SECTION IX -SPECIAL PRECAUTIONS -----

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
STORE AWAY FROM FLAME AND FIRE, AND EXCESSIVE HEAT.

-----SECTION X -DISCLAIMER AND/OR COMMENTS -----

WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR RE-USE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS.

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES THAT WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS.

THE CONDITIONS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

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EPAHO112001130

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 2:57 PM
Subject: Magnesium Chloride

For Liquids Box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 02:55 PM -----

Cover Sheet: ☐

French MSDS:

MSDS NUMBER:

CUSTOMER NUMBER:

STOCK NUMBER:

CIN NUMBER: 0146-00

STCC NUMBER: 2812649

Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 11/23/94

MSDS NUMBER: 4835-GATC
PRODUCT NAME: MAGNESIUM CHLORIDE

MSDS ID CODE:
MSDS OTHER CODES ..:
PART NUMBERS

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER: 4835-GATC
PRODUCT NAME: MAGNESIUM CHLORIDE
SYNONYMS: MAGNESIUM CHLORIDE
CHEMICAL NAME:
CHEMICAL FAMILY ...:
MANUFACTURER: CARGILL INCORPORATED - SOLARCHEM RESOURCES
DIVISION:
PRODUCT CODES:
ADDRESS: P.O. BOX 364
CITY: NEWARK
STATE: CA
ZIP CODE: 94560-0364
EMERGENCY PHONE ..: 612-475-6581 (DAY); 612-476-1127 (EVE. MN.);
510-791-0775*
CHEMTREC PHONE ...:
OTHER CALLS: 612-475-6581 (DIR.-QUALITY ADMIN.)
MSDS PREPARED BY ..:
EFFECTIVE DATE ...: 11/23/94
PRINT DATE:
PRODUCT USE

6/26/2005

EPAHO112001131

***** ADDITIONAL INFORMATION *****

C.A.S. NO(S) : 7786-30-3, 10034-99-88

CHEMICAL NAME(S) : AQUEOUS MAGNESIUM CHLORIDE AND MAGNESIUM SULFATE

DATE ISSUED: 07/23/90

SALT 537

*EMERG. PHONE: (EVENING CALIFORNIA)

-----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----

***** ADDITIONAL INFORMATION *****

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; AND/OR COMMON NAME(S) :
NOT APPLICABLE

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

RELEVANT ROUTE(S) OF EXPOSURE:

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

INGESTION OF LARGE AMOUNTS (GREATER THAN 0.1 POUND) CAN CAUSE
GASROINTESTINAL UPSET AND IRRITATION OF THE STOMACH. INHALATION:
MIST MAY CAUSE SLIGHT IRRITATION OF NOSE; UNLIKELY ENTRY ROUTE. SKIN
CONTACT: MAY CAUSE MINOR IRRITATION TO SENSITIVE PERSONS. INGESTION:
MAY CAUSE NAUSEA OR VOMITING.

CHRONIC OVEREXPOSURE:

NO APPLICABLE INFORMATION FOUND FOR CHRONIC SYSTEMIC EFFECTS.

MEDICAL CONDITIONS GENREALLY AGGRAVATED BY EXPOSURE:

POSSIBLE SKIN IRRITATION TO SENSITIVE PERSONS.

POTENTIAL HEALTH EFFECTS:

EYES:

SKIN:

MAY CAUSE MINOR IRRITATION TO SENSITIVE PERSON.

INGESTION:

POSSIBLE NAUSEA AND VOMITING.

INHALATION:

MIST MAY CAUSE MILD IRRITATION OF NOSE/THROAT, UNLIKELY ENTRY ROUTE.

CARCINOGENICITY: NTP:

IARC:

OSHA:

ACGIH:

OTHER:

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***** ADDITIONAL INFORMATION *****
 CARCINOGENICITY

NTP? NOT LISTED AS A CARCINOGEN OR MUTAGEN.
 IARC MONOGRAPHS? NOT LISTED AS A CARCINOGEN OR MUTAGEN.
 OSHA REGULATED? NOT LISTED AS A CARCINOGEN OR MUTAGEN.

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

IRRIGATE WITH LARGE AMOUNTS OF WATER.

SKIN:

FLUSH WITH WATER.

INGESTION:

DRINK FRESH WATER TO DILUTE. LESS THAN A FEW GRAMS IS NOT HARMFUL.

INHALATION:

REMOVE TO FRESH AIR. INHALATION IS AN UNLIKELY ENTRY ROUTE.

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

***** ADDITIONAL INFORMATION *****

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT: NA
 (% BY VOLUME) : LOWER LIMIT: NA

FLASH POINT : VALUE : NOT APPLICABLE
 : DEGREES C/F:
 : METHOD USED:

AUTOIGNITION TEMPERATURE : TEMPERATURE:
 : DEGREES C/F:

EXTINGUISHING MEDIA:

NOT APPLICABLE. THIS PRODUCT IS NONFLAMMABLE.

FIRE FIGHTING INSTRUCTIONS:

MAY USE A SELF-CONTAINED BREATHING APPARATUS IF TEMPERATURES EXCEED 572 F.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE.

FLAMMABILITY CLASSIFICATION:

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PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQUELY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:

CONTAIN SPILLS TO PREVENT CONTAMINATION OF WATER SUPPLY OR SANITARY SEWER SYSTEM. DISPOSE OF ACCORDING TO LOCAL REQUIREMENTS.

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAGE:

PRECAUTIONS ----- CAN BE
CORROSIVE TO SOME METALS, ESPECIALLY STEEL AND ALUMINUM.
OTHER PRECAUTIONS -----
INCOMPATIBLE WITH SULFURIC AND NITRIC ACIDS, CAUSTICS, AMMONIA AND CYANIDES.

OTHER PRECAUTIONS:

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS:

LOCAL EXHAUST: NOT NECESSARY. MECHANICAL (GENERAL): NOT NECESSARY
SPECIAL/OTHER: NOT NECESSARY

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

EYEGLASSES OR GOGGLES SHOULD BE WORN.

SKIN PROTECTION:

PROTECTIVE GLOVES: NORMAL WORK GLOVES ARE ADEQUATE.

RESPIRATORY PROTECTION:

N/A

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

PROTECTIVE CLOTHING MAY BE WORN, BUT IS GENERALLY NOT REQUIRED.

EXPOSURE GUIDELINES:

WORK HYGIENIC PRACTICES:

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WARM WATER SHOWERING AND HANDWASHING IS SUGGESTED IF IN DIRECT CONTACT WITH PRODUCT, BUT IS GENERALLY NOT REQUIRED.

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

SLIGHTLY VISCOUS, BROWN LIQUID

ODOR:

NO ODOR.

PHYSICAL STATE

:

PH VALUE

:

PH CONCENTRATION

:

VAPOR PRESSURE VALUE (MMHG): 7.5 MM HG

TEMPERATURE: 30

DEGREES C/F: C

VAPOR DENSITY (AIR=1) : N/A

BOILING POINT TEMPERATURE : 108-123 (760MM HG)

DEGREES C/F: C

MELTING POINT TEMPERATURE : N/A

DEGREES C/F:

FREEZING POINT TEMPERATURE :

DEGREES C/F:

SOLUBILITY IN WATER:

COMPLETE (G/CC,%)

REACTIVITY IN WATER:

SPECIFIC GRAVITY : 1.306

DENSITY (WATER=1)

PARTICLE SIZE

:

VOLATILE ORGANIC COMPOUNDS :

(VOC) CONTENT

SOFTENING POINT

:

EVAPORATION RATE BASIS (=1): BUTYL ACETATE

RATE: <1

BULK DENSITY

:

HEAT VALUE

:

PERCENT VOLATILE

:

OCTANOL/WATER PARTITION

:

COEFFICIENT

SATURATED VAPOR

:

CONCENTRATION

MOLECULAR WEIGHT

:

MOLECULAR/CHEMICAL FORMULA : 95.22, 120.37 G/MOL

WEIGHT PER GALLON :

VISCOCITY

:

***** ADDITIONAL INFORMATION *****

*BOILING POINT: (760MM HG)

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-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY:
STABLE

CONDITIONS TO AVOID (STABILITY):
CONTACT WITH STRONG ACIDS.

INCOMPATIBILITY WITH OTHER MATERIALS:
METALS WILL EXPERIENCE SLIGHT CORROSION OVER TIME. INCOMPATIBLE WITH
SULFURIC AND NITRIC ACIDS, CAUSTICS, AMMONIA, AND CYANIDES. A
HAZARDOUS REACTION INVOLVING MAGNESIUM CHLORIDE AND 2-FURAN
PERCARBOXYLIC ACID HAS BEEN REPORTED.

HAZARDOUS DECOMPOSITION PRODUCTS:
SLOW HEATING MAY RELEASE FREE CHLORINE GAS ABOVE 572 F. AVOID CONTACT
WITH STRONG ACIDS, AS CHLORINE GAS MAY EVOLVE. UNDER NORMAL
APPLICATIONS, DECOMPOSITION SHOULD NOT OCCUR.

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION):
NONE

-----SECTION 11 - TOXICOLOGICAL INFORMATION -----

COMPONENT :
LD50 VALUE:
UNIT:
ANIMAL:
ROUTES:
LC50 VALUE:
UNIT:
ANIMAL:
ROUTES:

TOXICOLOGICAL INFORMATION:

-----SECTION 12 - ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION:

-----SECTION 13 - DISPOSAL CONSIDERATIONS -----

DISPOSAL CONSIDERATIONS:
FOR DISPOSAL OF THIS MATERIAL AS A WASTE, ACT IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE, AND LOCAL WASTE MANAGEMENT REGULATIONS.

-----SECTION 14 - TRANSPORT INFORMATION -----

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U.S. DOT

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

AIR - IACO OR IATA

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

WATER - IMDG

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

OTHER

REPORTABLE QUANTITY :
ADDITIONAL INFO :

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS: ACUTE:
CHRONIC:
REACTIVE:
FIRE:
PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES: HEALTH:
FLAMMABILITY:
REACTIVITY:
OTHER:

HMIS CODES: HEALTH:
FLAMMABILITY:

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REACTIVITY:
PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:

ALL STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE, TO THE BEST OF OUR KNOWLEDGE, RELIABLE AND ACCURATE; HOWEVER, NO WARRANTY, EITHER EXPRESS OR IMPLIED, IS MADE WITH RESPECT THERETO, NOR WILL ANY LIABILITY BE ASSUMED FOR DAMAGES RESULTANT FROM THE USE OF THE MATERIAL DESCRIBED.

IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. IT ALSO THE RESPONSIBILITY OF THE USER TO MAINTAIN A SAFE WORKPLACE. THE USER SHOULD CONSIDER THE HEALTH HAZARDS AND SAFETY INFORMATION PROVIDED HEREIN AS A GUIDE AND SHOULD TAKE THE NECESSARY STEPS TO INSTRUCT EMPLOYEES AND TO DEVELOP WORK PRACTICE PROCEDURES TO ENSURE A SAFE WORK ENVIRONMENT.

THIS INFORMATION IS NOT INTENDED AS A LICENSE TO OPERATE UNDER, OR A RECOMMENDATION TO PRACTICE OR INFRINGE UPON ANY PATENT OF THIS COMPANY OR OTHERS COVERING ANY PROCESS, COMPOSITION OF MATTER OR USE.

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6/26/2005

EPAHO112001138

Class 2 ~~open~~
sludge**Mbowman@cesenvironmental.com**

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 12:00 PM
Subject: Corn Oil

For liquids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 11:59 AM -----

Cover Sheet: []**French MSDS:****MSDS NUMBER:****CUSTOMER NUMBER:****STOCK NUMBER:****CIN NUMBER:** 0093-00**STCC NUMBER:****Material Safety Data Sheet**

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 06/01/90

MSDS NUMBER: 4394-GATC
PRODUCT NAME: CORN OIL/MAIZE OIL

MSDS ID CODE:
MSDS OTHER CODES ..:
PART NUMBERS: 0093-00

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER: 4394-GATC
PRODUCT NAME: CORN OIL/MAIZE OIL
SYNONYMS:
CHEMICAL NAME:
CHEMICAL FAMILY ..:
MANUFACTURER: LOU ANA FOODS, INC.
DIVISION:
PRODUCT CODES:
ADDRESS: 731 N. RAILROAD AVENUE
CITY: OPELOUSAS
STATE: LA
ZIP CODE: 70570
EMERGENCY PHONE ...: 800-551-9080; 318-948-6561
CHEMTREC PHONE:
OTHER CALLS: 800-551-9080; 318-948-6561 (INFO)
MSDS PREPARED BY ..:
EFFECTIVE DATE: 06/01/90
PRINT DATE:
PRODUCT USE:

6/26/2005

EPAHO112001139

***** ADDITIONAL INFORMATION *****
IDENTITY (AS USED ON LABEL AND LIST): CORN OIL/MAIZE OIL

-----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----

***** ADDITIONAL INFORMATION *****
HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))
NONE

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

RELEVANT ROUTE(S) OF EXPOSURE:
N/A

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:
N/A HEALTH HAZARDS (ACUTE AND CHRONIC): NONE

CHRONIC OVEREXPOSURE:

NONE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
NONE

POTENTIAL HEALTH EFFECTS:
EYES:

SKIN:

INGESTION:

INHALATION:

CARCINOGENICITY: NTP:
IARC:
OSHA:
ACGIH:
OTHER:

***** ADDITIONAL INFORMATION *****
CARCINOGENICITY: NONE

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

SKIN:

INGESTION:

6/26/2005

EPAHO112001140

INHALATION:

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

***** ADDITIONAL INFORMATION *****

CORN OIL SUPPLIED IS PRODUCED IN COMPLIANCE WITH APPLICABLE SECTIONS OF THE FEDERAL FOOD, DRUG, AND COSMETIC ACT FOR EDIBLE PRODUCTS. THUS, THE CORN OIL IS OF EDIBLE GRADE AND PRESENTS NO HEALTH HAZARD.

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT: NONE
 (% BY VOLUME) : LOWER LIMIT: NONE

FLASH POINT : VALUE : 600
 : DEGREES C/F: F
 : METHOD USED: AOCs CC-90-48

AUTOIGNITION TEMPERATURE : TEMPERATURE:
 : DEGREES C/F:

EXTINGUISHING MEDIA:
 WATER OR FOAM

FIRE FIGHTING INSTRUCTIONS:
 APPLY WATER FOG OR MIST GENTLY - HEAVY APPLICATION TO HOT OIL COULD
 CAUSE FOAMING. AVOID CONTACT WITH HOT OIL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 NONE

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE
OR UNIQUELY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:
 CONTAIN SPILLED OIL WITH EXPEDIENT DIKES AND RECOVER INTO DRUMS WITH
 SUMP PUMP AND/OR FLAT SHOVELS.

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAGE:
 SURFACES COVERED WITH CORN OIL ARE EVERY SLICK. THUS, EXERCISE CARE

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TO CLEAN UP SPILLS IMMEDIATELY TO AVOID PERSONNEL INJURY DUE TO FALLS
ON SLIPPERY FLOORS.

OTHER PRECAUTIONS:

OVERHEATED OIL CAN BURN. IF THE OIL STARTS TO SMOKE, REDUCE OR REMOVE
THE

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS:

LOCAL EXHAUST: NONE MECHANICAL (GENERAL): NONE SPECIAL: NONE OTHER:
OIL MISTS LIKE FOG MAY IMPAIR VISIBILITY

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

NONE

SKIN PROTECTION:

PROTECTIVE GLOVES: NONE

RESPIRATORY PROTECTION:

NONE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

NONE

EXPOSURE GUIDELINES:

WORK HYGIENIC PRACTICES:

NONE

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

CLEAR, YELLOW LIQUID ABOVE 32 F

ODOR:

NO ODOR

PHYSICAL STATE :

PH VALUE :

PH CONCENTRATION :

VAPOR PRESSURE VALUE (MMHG): N/A

TEMPERATURE:

DEGREES C/F:

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VAPOR DENSITY (AIR=1) : N/A
 BOILING POINT TEMPERATURE : N/A
 DEGREES C/F:
 MELTING POINT TEMPERATURE : .10 MAX
 DEGREES C/F:
 FREEZING POINT TEMPERATURE :
 DEGREES C/F:

SOLUBILITY IN WATER:
 NOT SOLUBLE

REACTIVITY IN WATER:

SPECIFIC GRAVITY : .920 (60 F) (H2O=1)
 DENSITY (WATER=1)
 PARTICLE SIZE :
 VOLATILE ORGANIC COMPOUNDS :
 (VOC) CONTENT
 SOFTENING POINT :
 EVAPORATION RATE BASIS (=1): BUTYL ACETATE
 RATE: N/A
 BULK DENSITY :
 HEAT VALUE :
 PERCENT VOLATILE :
 OCTANOL/WATER PARTITION :
 COEFFICIENT
 SATURATED VAPOR :
 CONCENTRATION
 MOLECULAR WEIGHT :
 MOLECULAR/CHEMICAL FORMULA :
 WEIGHT PER GALLON :
 VISCOCITY :

-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY:
 STABLE

CONDITIONS TO AVOID (STABILITY):
 NONE

INCOMPATIBILITY WITH OTHER MATERIALS:
 NONE

HAZARDOUS DECOMPOSITION PRODUCTS:
 NONE

HAZARDOUS POLYMERIZATION:
 WILL NOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION):
 NONE

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EPAHO112001143

-----SECTION 11 - TOXICOLOGICAL INFORMATION -----

COMPONENT :

LD50 VALUE:

UNIT:

ANIMAL:

ROUTES:

LC50 VALUE:

UNIT:

ANIMAL:

ROUTES:

TOXICOLOGICAL INFORMATION:

CARCINOGENICITY: NONE

-----SECTION 12 - ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION:

-----SECTION 13 - DISPOSAL CONSIDERATIONS -----

DISPOSAL CONSIDERATIONS:

CORN OIL IS NON-TOXIC AND BIODEGRADABLE. SMALL QUANTITIES WHICH WOULD NOT OVERLOAD AN INDUSTRIAL OR PUBLIC WASTEWATER TREATMENT SYSTEM CAN BE DISCHARGED INTO SEWERAGE.

-----SECTION 14 - TRANSPORT INFORMATION -----

U.S. DOT

PROPER SHIPPING NAME :

HAZARD CLASS :

ID NUMBER :

PACKING GROUP :

LABELS :

AIR - IACO OR IATA

PROPER SHIPPING NAME :

HAZARD CLASS :

ID NUMBER :

PACKING GROUP :

LABELS :

WATER - IMDG

PROPER SHIPPING NAME :

HAZARD CLASS :

ID NUMBER :

PACKING GROUP :

LABELS :

6/26/2005

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OTHER

REPORTABLE QUANTITY :
ADDITIONAL INFO : OVERHEATED OIL CAN BURN. IF THE OIL STARTS TO
SMOKE, REDUCE OR REMOVE THE

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS: ACUTE:
CHRONIC:
REACTIVE:
FIRE:
PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES: HEALTH:
FLAMMABILITY:
REACTIVITY:
OTHER:

HMIS CODES: HEALTH:
FLAMMABILITY:
REACTIVITY:
PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:

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6/26/2005

EPAHO112001145

Class 2 sds

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 9:19 AM
Subject: NFS - UREA, AMMONIUM NITRATE

Solids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 09:19 AM -----

Cover Sheet: ☐**French MSDS:**

MSDS NUMBER:
CUSTOMER NUMBER: C2450
STOCK NUMBER:
CIN NUMBER: 0721-00
STCC NUMBER: 2871313

Material Safety Data Sheet

CF (R*)

CF INDUSTRIES, INC.

EFFECTIVE DATE: JUNE 1, 1996

MATERIAL SAFETY DATA SHEET

FOR EMERGENCY CALL: CHEMTREC -- (800)424-9300

-----1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NAME: UREA, AMMONIUM NITRATE SOLUTION

CAS NUMBER: NONE

CHEMICAL NAME: UREA, AMMONIUM NITRATE

CHEMICAL FAMILY: NITROGEN FERTILIZER SOLUTION

SYNONYMS AND COMMON TRADE NAMES: UAN (28,30, AND 32%N)

COMPANY IDENTIFICATION

MANUFACTURER'S NAME: CF INDUSTRIES, INC.

ADDRESS: ONE SALEM LAKE DRIVE,
LONG GROVE, ILLINOIS, 60047-8402

TELEPHONE: (847) 438-9500

-----2. COMPOSITION/INFORMATION ON INGREDIENTS -----

WEIGHT PERCENTAGE
(APPROXIMATE IN EACH

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COMPONENT NAME	TYPE OF SOLUTION)			CAS NUMBER
	32%N	30%N	28%N	
AMMONIUM NITRATE	45	42.2	39.4	6484-52-2
UREA	35	32.8	30.6	57-13-6
WATER	20	25	30	7732-18-5
AMMONIUM HYDROXIDE	0.1	0.1	0.1	1336-21-6
CORROSION INHIBITOR	100 TO 200 PPM			NOT AVAILABLE

-----3. HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

COLORLESS LIQUID WITH ALMOST NO ODOR, OR SLIGHT AMMONIA ODOR. WHEN WATER IN UAN EVAPORATES, SOLID AMMONIUM NITRATE AND UREA ARE RESIDUES. THESE MAY EMIT TOXIC OXIDES OF NITROGEN WHEN HEATED TO DECOMPOSITION. CAN CAUSE IRRITATION OF EYES AND SKIN.

POTENTIAL HEALTH EFFECTS

EYES: LIQUID CAN IRRITATE EYES.

SKIN: LIQUID CAN IRRITATE SKIN.

INHALATION: EXPOSURE VIA INHALATION UNLIKELY.

INGESTION:

INGESTION OF AMMONIUM NITRATE (A COMPONENT OF UAN) CAN CAUSE GASTRITIS, NAUSEA, VOMITING, URINATION, AND DIARRHEA. INGESTION OF LARGE AMOUNTS CAN CAUSE SYSTEMIC ACIDOSIS AND MAY INDUCE THE FORMATION OF ABNORMAL HEMOGLOBIN (METHEMOGLOBIN).

LATE TOXICITIES:

UREA (A COMPONENT OF UAN) IS NOT EXPECTED TO CAUSE MUTAGENIC, CARCINOGENIC, OR REPRODUCTIVE EFFECTS FROM CONCENTRATIONS OR EXPOSURE ROUTES NORMALLY EXPERIENCED IN THE WORKPLACE.

-----4. FIRST AID -----

EYES:

HOLD EYELIDS OPEN AND FLUSH EYES IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF NECESSARY.

SKIN: WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER.

INHALATION: NOT APPLICABLE

INGESTION:

IF EXPOSED PERSON IS CONSCIOUS, IMMEDIATELY GIVE PLENTY OF WATER. IF EXPOSED PERSON IS UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH. SEEK MEDICAL ATTENTION

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IMMEDIATELY.

NOTES TO PHYSICIAN:

AFTER INGESTION, TREAT SYMPTOMATICALLY, INCLUDING GASTRIC LAVAGE.

-----5. FIRE FIGHTING MEASURES -----

UAN IS NOT FLAMMABLE.

FLASH POINT (TEST METHOD): NOT APPLICABLE

FLAMMABLE LIMITS: NOT APPLICABLE

EXPLOSIVE LIMITS: NOT APPLICABLE

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

EXTINGUISHING MEDIA: NOT APPLICABLE

NFPA FIRE RATING: NOT LISTED

SPECIAL FIREFIGHTING PROCEDURES:

FOR FIRES INVOLVING UAN, WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE DECOMPOSITION PRODUCTS OF UREA, AND AMMONIUM NITRATE, WHICH CAN BE TOXIC (SEE SECTION 10 FOR DETAILS).

-----6. ACCIDENTAL RELEASE MEASURES -----

ISOLATE AND STOP DISCHARGE. TAKE IMMEDIATE STEPS TO CONTAIN THE SPILL, IF POSSIBLE, AND RECOVER ANY REUSABLE PRODUCT. DISPOSE OF ANY RESIDUE AFTER WATER FROM SPILL HAS EVAPORATED.

NEUTRALIZING CHEMICALS: NOT APPLICABLE

-----7. HANDLING AND STORAGE -----

HANDLING: NO DATA ARE AVAILABLE REGARDING THE HANDLING PROCEDURES FOR UAN.

STORAGE:

DO NOT ALLOW LIQUID TO EVAPORATE SINCE ORGANIC AND OXIDIZABLE MATERIALS CAN SENSITIZE DRY AMMONIUM NITRATE TO A READILY EXPLOSIVE STATE. OUTSIDE OR DETACHED STORAGE IN SPECIALLY DESIGNATED AREAS IS PREFERRED. STORE INSIDE ONLY IN A COOL, WELL-VENTILATED AREA FREE FROM COMBUSTIBLES AND AWAY FROM ALL SOURCES OF IGNITION. UAN IS MILDLY CORROSIVE TO CARBON STEEL; PROTECT CONTAINERS FROM CORROSION AND MECHANICAL DAMAGE.

-----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

VENTILATION: NOT APPLICABLE; PRODUCT IS NOT VOLATILE.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

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EYES: NO PERSONAL PROTECTIVE EQUIPMENT NORMALLY REQUIRED.
SKIN: NO PERSONAL PROTECTIVE EQUIPMENT NORMALLY REQUIRED.
RESPIRATORY: NO PERSONAL PROTECTIVE EQUIPMENT NORMALLY REQUIRED.

EXPOSURE GUIDELINES: STANDARDS FOR UAN SOLUTION HAVE NOT BEEN ESTABLISHED.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE: COLORLESS LIQUID

ODOR: LITTLE OR NO DETECTABLE AMMONIA ODOR

ODOR THRESHOLD LEVEL: NOT AVAILABLE

PHYSICAL STATE: LIQUID

PH: 7.0-7.5

VAPOR PRESSURE: NOT AVAILABLE

VAPOR DENSITY (AIR=1): APPROXIMATELY 1.07 G/L AT 15 DEG. C (59 DEG. F) (30% UREA)

BOILING POINT: >100 DEG. C (>212 DEG. F)

MELTING POINT: (SALT OUT TEMPERATURE FOR 28% N SOLUTION): 1 DEG. F (-17 DEG. C)

SOLUBILITY IN WATER: MISCIBLE WITH WATER

SPECIFIC GRAVITY (H2O = 1): 1.28(28%N), 1.303(30%N) 1.326 (32%N)
AT 60 DEG. F (15.56 DEG. C);
(HEAVIER THAN WATER)

EVAPORATION RATE (BUTYL ACETATE = 1): NOT APPLICABLE

PERCENTAGE VOLATILE BY VOLUME (%): NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

MOLECULAR FORMULA: 3 COMPOUND MIXTURE: CO(NH2)2, NH4NO3, AND H2O

-----10. STABILITY AND REACTIVITY -----

STABILITY (THERMAL, LIGHT, ETC.): STABLE

CONDITIONS TO AVOID: HIGH TEMPERATURES--COMPONENTS DECOMPOSE AND EMIT TOXIC GASES. HIGH PRESSURES--EXPLODES IF HEATED UNDER CONFINEMENT SO THAT PRESSURE BUILDS UP.

INCOMPATIBILITY (MATERIALS TO AVOID): SEE HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS DECOMPOSITION PRODUCTS:

WHEN THE WATER IN UAN EVAPORATES, IT LEAVES A RESIDUE OF SOLID AMMONIUM NITRATE

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AND UREA. SOLID AMMONIUM NITRATE CAN EXPLODE IF HEATED.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE

-----11. TOXICOLOGICAL INFORMATION -----

NO TOXICOLOGICAL DATA ARE AVAILABLE FOR UAN. TOXICITY VALUES FOR AMMONIUM NITRATE AND UREA ARE LISTED BELOW.

ACUTE ORAL EFFECTS:

THE AMMONIUM NITRATE ORAL LD50 FOR RATS IS 4.5 G/KG. THE UREA ORAL LD50 FOR RATS IS 8.5 G/KG.

DERMAL IRRITATION: UREA IS A MILD SKIN IRRITANT IN HUMANS.

SUBCHRONIC EFFECTS:

IN RATS, EXPOSED TO 288 MG/M3 VIA INHALATION FOR 17 WEEKS, UREA CAUSED EFFECTS ON THE KIDNEY, URETER, BLADDER, AND BLOOD. DERMAL EXPOSURE TO 3,024 MG/KG CONTINUOUSLY FOR 4 WEEKS RESULTED IN EFFECTS ON THE LIVER, THYMUS, AND TESTES.

REPRODUCTIVE EFFECTS:

INTRAUTERINE/INTRAPLACENTAL INJECTION OF UREA CAUSES ABORTION IN HUMANS, HOWEVER, THIS EXPOSURE ROUTE IS UNLIKELY IN THE WORKPLACE.

CARCINOGENICITY:

A STUDY SPONSORED BY THE NATIONAL CANCER INSTITUTE CONCLUDED THAT UREA IS NOT A CARCINOGEN TO RATS AND MICE VIA ORAL EXPOSURE.

MUTAGENICITY:

CHROMOSOME BREAKAGE HAS BEEN OBSERVED IN SOME LABORATORY TESTS USING EXTREMELY HIGH CONCENTRATIONS OF UREA (1,000 TO 10,000 TIMES PHYSIOLOGICAL LEVELS). HOWEVER, THESE CONCENTRATIONS GREATLY EXCEED THOSE EXPECTED TO BE EXPERIENCED UNDER LIKELY EXPOSURE SCENARIOS FOR THIS PRODUCT.

-----12. ECOLOGICAL INFORMATION -----

NOTIFY LOCAL HEALTH AND WILDLIFE OFFICIALS AND OPERATORS OF ANY NEARBY WATER INTAKES UPON CONTAMINATION.

NO ECOLOGICAL DATA ARE AVAILABLE FOR UAN. THE FOLLOWING DATA FOR AMMONIUM NITRATE AND UREA, WHICH ARE POSSIBLE EVAPORATION PRODUCTS, ARE PROVIDED.

AMMONIUM NITRATE:

FERTILIZERS CONTAINING AMMONIUM NITRATE CAN CAUSE POISONING IN LIVESTOCK AND POULTRY. AMMONIUM NITRATE CAN BE TOXIC TO AQUATIC LIFE AND SPILLS MAY CAUSE ALGAL BLOOMS IN STATIC WATERS.

ECOTOXICITY INFORMATION:

THE MEASURED ECOTOXICITY VALUES FOR AMMONIUM NITRATE INCLUDE CARP 48-HOUR LC50 VALUES OF 74,000 MICROG/L (TOTAL) AND 947 MICROG/L (UN-IONIZED) REPORTED IN TERMS OF NITROGEN. THE MINIMUM LETHAL CONCENTRATION OF AMMONIUM NITRATE FOR

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TADPOLES IS 910 MG/L. NITRATE ION ECOTOXICITY VALUES ARE ALSO AVAILABLE. THE FRESHWATER 96-HOUR AND 7-DAY LC50 VALUES FOR FINGERLING RAINBOW TROUT ARE REPORTED TO BE 1,350 AND 1,065 MG/L NITRATE NITROGEN, RESPECTIVELY. NO EFFECTS ON GROWTH OR FEEDING ACTIVITIES WERE OBSERVED IN LARGEMOUTH BASS AND CHANNEL CATFISH EXPOSED TO NITRATE ION CONCENTRATIONS OF 400 MG/L.

ENVIRONMENTAL FATE INFORMATION:

NITRATE IONS ARE ASSIMILATED BY GROWING PLANTS. AMMONIUM NITRATE WILL ALSO BE TAKEN UP BY BACTERIA. IN ANAEROBIC SOILS, NITRATE IONS MAY BE CONVERTED TO NITRITE, MOLECULAR NITROGEN, NITROUS OXIDE, OR AMMONIUM IONS.

UREA:

UREA CAN BE TOXIC TO DOMESTIC ANIMALS AND HAS CAUSED POISONINGS WHEN IT WAS APPLIED UNEVENLY ON PASTURES AS A FERTILIZER. LARGE AMOUNTS OF UREA CAN DAMAGE PLANT SEEDLINGS AND INHIBIT GERMINATION. AT HIGH CONCENTRATIONS, UREA CAN BE TOXIC TO AQUATIC LIFE. AS A READILY AVAILABLE SOURCE OF NITROGEN, UREA CAN ALSO FOSTER EXCESSIVE GROWTH OF ALGAE OR MICROORGANISMS IN WATER SYSTEMS.

ECOTOXICITY INFORMATION:

THE CELL MULTIPLICATION TOXICITY THRESHOLD VALUES FOR BACTERIA, GREEN ALGAE, AND PROTOZOA ARE >10,000, >10,000, AND 29 MG/L, RESPECTIVELY. THE CRITICAL RANGE FOR THE CREEK CHUB IS 16,000 TO 30,000 MG/L IN DETROIT RIVER WATER.

ENVIRONMENTAL FATE INFORMATION:

IN THE SOIL, UREA DEGRADES RAPIDLY, USUALLY WITHIN 24 HOURS; HOWEVER, DEGRADATION MAY BE SLOWER DEPENDING ON SOIL TYPE, MOISTURE CONTENT, AND UREA FORMULATION. THE ULTIMATE DEGRADATION PRODUCTS ARE CARBON DIOXIDE AND AMMONIA. THE SOIL MOBILITY IS HIGH BASED ON AN ORGANIC CARBON PARTITION COEFFICIENT VALUE OF 8. IN WATER, BIODEGRADATION TO CARBON DIOXIDE AND AMMONIA IS THE MAJOR FATE PATHWAY. THE BIODEGRADATION RATE INCREASES WITH INCREASING TEMPERATURE AND PRESENCE OF PHYTOPLANKTON. OXIDATION OF UREA BY NITRIFYING BACTERIA CAN INCREASE BIOLOGICAL OXYGEN DEMAND. BIOACCUMULATION OF UREA IS VERY LOW. THE 72-HOUR BIOCONCENTRATION FACTOR (BCF) FOR CARP IS REPORTED TO BE 1.

-----13. DISPOSAL CONSIDERATIONS -----

UAN IS NOT CONSIDERED A HAZARDOUS WASTE UNDER FEDERAL HAZARDOUS WASTE REGULATIONS 40 CFR 261. CONSULT LOCAL AND STATE ENVIRONMENTAL REGULATORY AGENCIES FOR ACCEPTABLE ALTERNATIVE DISPOSAL PROCEDURES AND LOCATIONS. FOLLOW STANDARD DISPOSAL PROCEDURES.

-----14. TRANSPORT INFORMATION -----

UAN IS NOT LISTED AS A HAZARDOUS MATERIAL BY THE U.S. DEPARTMENT OF TRANSPORTATION (DOT), TRANSPORT CANADA (TC), INTERNATIONAL MARITIME ORGANIZATION (IMO), AND THE UNITED NATIONS (UN).

-----15. REGULATORY INFORMATION -----

OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION):

THIS MATERIAL IS CONSIDERED TO BE HAZARDOUS AS DEFINED BY THE OSHA HAZARD

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COMMUNICATION STANDARD.

SARA TITLE III (SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986):
THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 302 AND/OR SECTION 313 OF THE EMERGENCY PLANNING AND
COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

CAS NO.: 6484-52-2

CHEMICAL NAME: AMMONIUM NITRATE

AMOUNT OF CHEMICAL IN CFI PRODUCT (APPROXIMATE % BY WEIGHT): 39.4-45

302 THRESHOLD PLANNING QUANTITY FOR CHEMICAL (LBS.): NOT LISTED

313 DE MINIMIS CONCENTRATION (% BY WEIGHT): 1.0

USER SHOULD CONTACT LOCAL AND STATE REGULATORY AGENCIES FOR INFORMATION ON
ADDITIONAL OR MORE STRINGENT REPORTING REQUIREMENTS.

DOT (DEPARTMENT OF TRANSPORTATION):
PLEASE REFER TO SECTION 14 (TRANSPORT INFORMATION) FOR GUIDANCE CONCERNING
TRANSPORTATION.

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This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

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class 2 study

Mbowman@cesenvironmental.com

From: <Ricardo.Salias@gatx.com>
To: <mbowman@cesenvironmental.com>
Sent: Thursday, June 23, 2005 9:32 AM
Subject: SODIUM SILICATE

Solids box

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 09:31 AM -----

Cover Sheet: ☐**French MSDS:****MSDS NUMBER:****CUSTOMER NUMBER:****STOCK NUMBER:****CIN NUMBER:** 0238-00**STCC NUMBER:** 2819992**Material Safety Data Sheet**

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 08/17/94

MSDS NUMBER: 2066-GATC
 PRODUCT NAME: SODIUM SILICATE 40 DEGREE

MSDS ID CODE:
 MSDS OTHER CODES ..:
 PART NUMBERS: 0238-00

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER: 2066-GATC
 PRODUCT NAME: SODIUM SILICATE 40 DEGREE
 SYNONYMS:
 CHEMICAL NAME:
 CHEMICAL FAMILY ...:
 MANUFACTURER: ASHLAND CHEMICAL, INC.
 DIVISION: SUBSIDIARY OF ASHLAND OIL, INC.
 PRODUCT CODES:
 ADDRESS: P.O. BOX 2219
 CITY: COLUMBUS
 STATE: OH
 ZIP CODE: 43216
 EMERGENCY PHONE ...: 800-274-5263; 800-ASHLAND (24-HR)
 CHEMTREC PHONE:
 OTHER CALLS: 614-889-3333
 MSDS PREPARED BY ..:
 EFFECTIVE DATE: 08/17/94
 PRINT DATE: 09/30/94
 PRODUCT USE:

***** ADDITIONAL INFORMATION *****

DATA SHEET NO: 0001161-004.002

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000003

CAS NUMBER: 1344-09-8

GENERAL OR GENERIC ID: MIXTURE - SODIUM SILICATE

-----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----

INGREDIENT NAME ...: SODIUM SILICATE

COMMON NAME

CAS NUMBER

PERCENTAGE

BY WEIGHT OR VOL. :

HAZARDOUS

OSHA PEL TWA

OSHA PEL STEL

OSAH PEL CEIL

ACGIH TLV TWA

ACGIH TLV STEL

ACGIH TLV CEIL

INGREDIENT NAME ...: WATER

COMMON NAME

CAS NUMBER

PERCENTAGE

BY WEIGHT OR VOL. :

HAZARDOUS

OSHA PEL TWA

OSHA PEL STEL

OSAH PEL CEIL

ACGIH TLV TWA

ACGIH TLV STEL

ACGIH TLV CEIL

***** ADDITIONAL INFORMATION *****

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION.

NOTES:

(1) PEL/TLV NOT ESTABLISHED FOR THIS MATERIAL

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

RELEVANT ROUTE(S) OF EXPOSURE:

INHALATION, SKIN CONTACT

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

CHRONIC OVEREXPOSURE:

MEDICAL CONDITIONS GENREALLY AGGRAVATED BY EXPOSURE:

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POTENTIAL HEALTH EFFECTS:

EYES:

EXPOSURE CAUSES EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, AND SWELLING.

SKIN:

EXPOSURE MAY CAUSE MILD SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS AND BURNING.

INGESTION:

SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

INHALATION:

BREATHING - OF MIST CAN CAUSE IRRITATION OF NASAL AND RESPIRATORY PASSAGES.

CARCINOGENICITY: NTP:

IARC:

OSHA:

ACGIH:

OTHER:

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

SKIN:

IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE. REMOVE CONTAMINATED SHOES PROMPTLY. DISCARD SHOES SATURATED WITH THIS PRODUCT.

INGESTION:

IF SWALLOWED: DO NOT INDUCE VOMITING. IMMEDIATELY DRINK TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN OR TRANSPORT TO AN EMERGENCY FACILITY.

INHALATION:

IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

***** ADDITIONAL INFORMATION *****

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-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT: NA
(% BY VOLUME) : LOWER LIMIT:

FLASH POINT : VALUE : NA
: DEGREES C/F:
: METHOD USED:

AUTOIGNITION TEMPERATURE : TEMPERATURE:
: DEGREES C/F:

EXTINGUISHING MEDIA:
NA

FIRE FIGHTING INSTRUCTIONS:
WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED
IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
NA

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE
OR UNIQUELY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER
ABSORBENT MATERIAL. LARGE SPILL: SPILLS OF THIS MATERIAL ARE VERY
SLIPPERY. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE
EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP
SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP
LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND,
CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND
SHOVELED INTO CONTAINERS.

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAGE:

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE
EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR
SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE
OBSERVED. ADDITIONAL COMMENTS: CONTAINERS SHOULD BE EITHER
RECONDITIONED BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY APPROVED
FIRMS. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH

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APPLICABLE LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS. SERIOUS ACCIDENTS HAVE RESULTED FROM THE MISUSE OF "EMPTIED" CONTAINERS (DRUMS, PAILS, ETC.). REFER TO OTHER SECTIONS HEREIN.

OTHER PRECAUTIONS:

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS:

NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. CONSULT YOUR SAFETY REPRESENTATIVE.

SKIN PROTECTION:

WEAR RESISTANT GLOVES SUCH AS: NATURAL RUBBER

RESPIRATORY PROTECTION:

NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

TO PREVENT SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

EXPOSURE GUIDELINES:

PERMISSIBLE EXPOSURE LEVEL: NE FOR PRODUCT. SEE OTHER SECTION HEREIN.

WORK HYGIENIC PRACTICES:

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

SPECIALLY CLARIFIED

ODOR:

PHYSICAL STATE : LIQUID

PH VALUE : 11.3

PH CONCENTRATION :

VAPOR PRESSURE VALUE (MMHG): 24.00 MM HG

TEMPERATURE: 77.00/25.00

DEGREES C/F: F/C

VAPOR DENSITY (AIR=1) : .67

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BOILING POINT TEMPERATURE : >212.00/100.00*
DEGREES C/F: F/C
MELTING POINT TEMPERATURE :
DEGREES C/F:
FREEZING POINT TEMPERATURE :
DEGREES C/F:

SOLUBILITY IN WATER:

REACTIVITY IN WATER:

SPECIFIC GRAVITY : 1.390 @ 68 F (20 C)
DENSITY (WATER=1)
PARTICLE SIZE :
VOLATILE ORGANIC COMPOUNDS :
(VOC) CONTENT
SOFTENING POINT :
EVAPORATION RATE BASIS (=1): ETHER
RATE: SLOWER
BULK DENSITY :
HEAT VALUE :
PERCENT VOLATILE : 60-65
OCTANOL/WATER PARTITION :
COEFFICIENT
SATURATED VAPOR :
CONCENTRATION

MOLECULAR WEIGHT :
MOLECULAR/CHEMICAL FORMULA :
WEIGHT PER GALLON :
VISCOCITY :

***** ADDITIONAL INFORMATION *****

*BOILING POINT: PRODUCT @ 760.00 MM HG

FORM: HOMOG SOLN

-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY:
STABLE

CONDITIONS TO AVOID (STABILITY):

INCOMPATIBILITY WITH OTHER MATERIALS:
AVOID CONTACT WITH: STRONG ACIDS, ALCOHOLS

HAZARDOUS DECOMPOSITION PRODUCTS:
NA

HAZARDOUS POLYMERIZATION:
CANNOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION):

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-----SECTION 11 - TOXICOLOGICAL INFORMATION -----

COMPONENT :
 LD50 VALUE:
 UNIT:
 ANIMAL:
 ROUTES:
 LC50 VALUE:
 UNIT:
 ANIMAL:
 ROUTES:

TOXICOLOGICAL INFORMATION:

-----SECTION 12 - ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION:

-----SECTION 13 - DISPOSAL CONSIDERATIONS -----

DISPOSAL CONSIDERATIONS:

SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND
 FEDERAL REGULATIONS. LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH
 ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

-----SECTION 14 - TRANSPORT INFORMATION -----

U.S. DOT

PROPER SHIPPING NAME :
 HAZARD CLASS :
 ID NUMBER :
 PACKING GROUP :
 LABELS :

AIR - IACO OR IATA

PROPER SHIPPING NAME :
 HAZARD CLASS :
 ID NUMBER :
 PACKING GROUP :
 LABELS :

WATER - IMDG

PROPER SHIPPING NAME :
 HAZARD CLASS :
 ID NUMBER :
 PACKING GROUP :

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LABELS :

OTHER

REPORTABLE QUANTITY :
ADDITIONAL INFO :

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS: ACUTE:
CHRONIC:
REACTIVE:
FIRE:
PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES: HEALTH: 2
FLAMMABILITY: 0
REACTIVITY: 1
OTHER:

HMIS CODES: HEALTH:
FLAMMABILITY:
REACTIVITY:
PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:
SUPERSEDES: 05/23/94

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

6/26/2005

EPAHO112001160



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1366

Expiration Date 2/3/2008

Generator: GATX (Hearne)

Address: 1401 W. Brown St.
Hearne, TX 77859

Waste Information

Name of Waste: Non-hazardous Class 2 Sludge

TCEQ Waste Code #: 99366092

Container Type: Truck

Detailed Description of Process Generating Waste:

Removal of heels (Non-haz) from railcars, including rust and rinse/steam water. Also, di sand and absorbents contaminated with these products.

Color: Dark

Odor: Hydrocarbon

pH: 3-11

Physical State: Sludge

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

06/10/2008 07:25
JUN-06-2008 16:34

9792793020

GATX HEARNE
CES Environmental Service

PAGE 02
713 676 176 P.02/05
0600



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : GATX (Hearne)
Address : 1401 W. Brown St. PO Box 969
City, State, Zip : Hearne TX 77859
Contact : Ricardo Salias Title : HS&E Manager
Phone No : (979) 279-3481 Fax :
24 / HR Phone : (979) 279-7020
U.S. EPA ID No : TXD000835207
State I.D : 32643 SIC Code

SECTION 2: Billing Information

Company : GATX (Hearne)
Address : 1401 W. Brown St. PO Box 969
City, State, Zip : Hearne TX 77859
Contact : Ricardo Salias Title : HS&E Manager
Phone No : (979) 279-3481 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Non-hazardous Class 2 Sludge

Detailed Description of the Process Generating Waste:

Removal of heels (Non-haz) from railcars, including rust and rinse/steam water. Also, dirt, sand and absorbents contaminated with these products.

Physical State : ☐ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Dark Odor : Hydrocarbon
Specific Gravity (Water=1) : 1.1 Density : 17 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	4952	4953	4959	9511

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 2000

Number Of Units : 2000

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

06/10/2008 07:25
JUN-06-2008 16:35

9792793020

GATX HEARNE

PAGE 03

713 676 576 P.03/05

CES Environmental Service

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(a) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : 99366082

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 50-100 %
Oil and Grease <1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges and acceptable	or %
Water		20-50	%
See attached list		Balance	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : X
TCLP Volatiles : X
TCLP Semi-Volatiles : X

06/10/2008 07:25
JUN-06-2008 16:36

9792793020

GATX HEARNE

PAGE 04

Reactivity:

△

CES Environmental Service

713 676 676 P.04/05

Corrosivity:

X

Ignitability:

X

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 138 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oil Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation

☒ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☒ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____

Date : 2/2/2006

Printed Name / Title : Ricardo Salles / USE Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 2/3/2006

Status :

Approved

Rejected

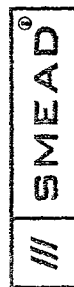
Approval Number :

1366

Process Facility Information

Landrith Fasteners 1369
Profile # 1369

J. Cur



No. 10341

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4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1369

Customer: Landreth Fasteners

Waste Generator: Landreth Fasteners

Waste Stream Name: Evaporator Oil Sludge

Expiration Date: 2/3/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Landreth Fastener

Customer Name

M. J. Smith

Signature

Purchasing Manager

Company Title

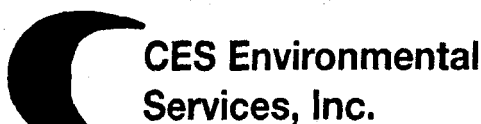
1-10-08

Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

PRT

TOTAL P.02



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/3/2006

Dear GILBERTO

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1369

Generator: Landreth Fasteners

Address: 8700 Scranton
Houston, TX 77075

Waste Information

Name of Waste: Evaporator Oil Sludge

TCEQ Waste Code #: 00145041

Container Type: Drum

Detailed Description of Process Generating Waste:

Unused lubricant oils used in coating process of rivets that contains water goes through evaporator to remove water leaving oil sludge with high melting point (non-aqueous material).

Color: Dark brown - black **Odor:** Mild oil **pH:** na

Physical State: Sludge

Incompatibilities: Strong oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Landreth Fasteners
Address: 8700 Scranton
City, State, Zip: Houston, TX 77075
Contact: Margaret Rust Title: General Manager
Phone No: 713-944-7400 Fax No: 713-944-8176
24/hr Phone: 800-231-8296
U.S. EPA I.D. No: TXD008101750
State I.D. 30976 SIC Code:

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Evaporator Oil Sludge

Detailed Description of Process Generating Waste: Unused lubricant oils used in coating process of rivets that contains water goes through evaporator to remove water leaving oil sludge with high melt point (non-aqueous material)

Physical State: ☐ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Dark Brown - Black

Odor: Mild Oil

Specific Gravity (water=1): 0.9-1.2

Density: 8.3 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55-gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 50

Other:

Texas State Waste Code No: 00145041

Proper U.S. DOT Shipping Name:

Non-RCRA, Non-DOT Regulated Oil Sludge

Class: Na

UN/NA:

Na

PG: Na

RQ:

Flash Point >150	pH NA	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0-1%
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Oil & Grease >100mg/l	TOC NAmg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l
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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Anticorit AQ 1961R		30-60	%
Rust Foe II		30-60	%
Isoprep 3		2-10	%
Water		2-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: Materials are unused oils
 TCLP Volatiles: No volatile materials in process
 TCLP Semi-Volatiles: No semi-volatile materials in process
 Reactivity: No reactive components are part of process
 Corrosivity: Material is organic, non-aqueous based materials
 Ignitability: See MSDS

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Margaret Rust

Date: 02/3/06

Printed Name/Title: Margaret Rust/ General Manager

(CES USE ONLY (DO NOT WRITE IN THIS SPACE))

Compliance Officer: Robbena Phaza

Additional Information: MLB 2

Date: 2-3-06

Approved 1369

Rejected

Approval Number: 1369

SECTION 10: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If "Yes", complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory:

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Ameriforge Corporation
Profile # 1370

1370

L. Ann



No. 10341

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JAN-09-2008 15:43

CES Environmental Service

713 676 1676 P.02



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1370

Customer: Ameriforge Corporation

Waste Generator: Ameriforge Corporation

Waste Stream Name: Recyclable Oily Rags and Absorbents

Expiration Date: 2/7/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

Ameriforge Group Inc.
Customer Name

[Signature]
Signature

Safety/Facilities Manager
Company/ Title

01/14/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

PRET

MB



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/7/2006

Dear Pat Mickley

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1370

Generator: Ameriforge Corporation

Address: 13770 Industrial Rd.
Houston, TX 77015

Waste Information

Name of Waste: Recyclable Oily Rags and Absorbents

TCEQ Waste Code #: Recycle

Container Type: Drum

Detailed Description of Process Generating Waste:

Oily rags and absorbents from around machines in outdoor containment areas. Facility manufactures carbon steel flanges.

Color:

Odor:

pH: 7

Physical State: Solid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001177



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Ameriforge Corporation
Address : 13770 Industrial Rd.
City, State, Zip : Houston TX 77015
Contact : Pat Mickley Title :
Phone No : (713) 393-4369 Fax : 713-393-4329
24 / HR Phone :
U.S EPA I.D No : TXR000026690
State I.D : 82538 SIC Code

SECTION 2: Billing Information

Company : Ameriforge Corporation
Address : 13770 Industrial Rd.
City, State, Zip : Houston TX 77015
Contact : Pat Mickley Title :
Phone No : (713) 393-4369 Fax : 713-393-4329

SECTION 3: General Description of the Waste

Name of Waste : Recyclable Oily Rags and Absorbents

Detailed Description of Process Generating Waste:

Oily rags and absorbents from around machines in outdoor containment areas. Facility manufactures carbon steel flanges.

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : Odor :

Specific Gravity (Water=1) : .9-1 Density : 8.34 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 1

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : UN/NA : PG : RQ :

Flash Point >200	pH 7	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 100 %
Oil and Grease mg/l	TOC mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Absorbents		85-95	%
Hydraulic oil		7-8	%
Compressor Oil		7-8	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 2/7/2006

Printed Name / Title : Erica Bogan / Agent for Ameriforge Industrial Corporation

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 2/7/2006 Status : ☒ Approved ☐ Rejected

Approval Number : 1370

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Ameriforge Corporation
Address: 13770 Industrial Rd. 13770 Industrial Road
City, State, Zip: Houston TX 77015
Contact: Jim Beare Title: _____
Phone No: (713) 293-1136 Fax: (713) 393-4405
24 / HR Phone: _____
U.S. EPA I.D. No: TXR000026680
State I.D.: 82538 SIC Code: _____

SECTION 2: Billing Information

Company: Ameriforge Corporation
Address: 13770 Industrial Rd. 13770 Industrial Road
City, State, Zip: Houston TX 77015
Contact: Jim Beare Title: _____
Phone No: (713) 293-1136 Fax: (713) 393-4405

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Oily Rags and Absorbents

Detailed Description of the Process Generating Waste:

Oily rags and absorbents from around machines in outdoor containment areas. Facility manufactures carbon steel flanges.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: _____ Odor: _____

Specific Gravity (Water=1): 9-1 Density: 8.34 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers: ☒ Single-Phase ☐ Multi-Phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain) _____

Container Size: 55

Number Of Units: 1

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is It: ☐ D001 ☐ D002 ☐ D003

☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply) _____

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes: _____

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes: _____

Texas State Waste Code No : _____ Recycle _____

Proper U.S. State Waste Code No : _____ Non-RCRA/Non-DOT Regulated Material _____

Class : _____ UN/NA : _____ PG : _____ RQ : _____

Flash Point >200	pH 7	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 100 %
Oil and Grease mg/l	TOC mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data _____

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Absorbents		85-95	%
Hydraulic oil		7-8	%
Compressor Oil		7-8	%

SECTION 5: Safety Related Data _____

If the handling of this waste requires the use of special protective equipment, please explain.

SECTION 6: Attached Supporting Documents _____

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities _____

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒TCLP Volatiles : ☒TCLP Semi-Volatiles : ☒Reactivity : ☒

Ignitability :

x

SECTION 8: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L
Chromium: 8.8 mg/L
Copper 4.8 mg/L
Nickel 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
☐ Oils Subcategory
☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____

Date : 2/7/2006

Printed Name / Title : Erica Degan / Agent for Ameriforge Industrial Corporation

Ameriforge Environmental Affairs Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

385 00/drum

Compliance Officer : Prabhakar Thangudu

Date : 2/7/2008

Status :

Approved

Rejected

Approval Number :

1370

Hydriil company 1373
Profile # 1373

Signature title

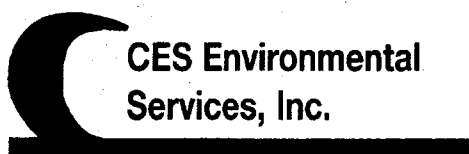


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4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1373

Customer: Hydril HEIP

Waste Generator: Hydril HEIP

Waste Stream Name: Oily Absorbent Pads and other Misc Debris

Expiration Date: 2/10/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

- ☐ No changes, please recertify.
- ☐ Please send new profile as waste stream has changed.

Har Dinball
Customer Name

[Signature]
Signature

Plant Manager
Title

Hydril
Company



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/10/2006

Dear Hass Dinbali

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1373

Generator: Hydril HEIP

Address: 18000 Eastex Freeway
Humble, TX 77396

Waste Information

Name of Waste: Oily Absorbent Pads and other Misc Debris

TCEQ Waste Code #: 00234891

Container Type: Other 25 yd

Detailed Description of Process Generating Waste:

General plant trash and other debris contaminated with lubricating and hydraulic oils.

Color: Varies

Odor: Oil

pH: 5-11

Physical State: Solid

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Hydril HEIP
Address : 18000 Eastex Freeway
City, State, Zip : Humble TX 77396
Contact : Hass Dinbali Title :
Phone No : (281) 446-0041 Fax :
24 / HR Phone :
U.S EPA I.D No : TXD096617907
State I.D : 33785 SIC Code

SECTION 2: Billing Information

Company : Hydril HEIP
Address : 18000 Eastex Freeway
City, State, Zip : Humble TX 77396
Contact : Hass Dinbali Title :
Phone No : (281) 446-0041 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Oily Absorbent Pads and other Misc Debris

Detailed Description of Process Generating Waste:

General plant trash and other debris contaminated with lubricating and hydraulic oils.

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : Varies Odor : Oil

Specific Gravity (Water=1) : 1.5 Density : 12 lbs / gal

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) 25 yd

Container Size :

Number Of Units : 1

Texas State Waste Code No : 00234891

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH 5-11	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 100 %
Oil and Grease >1500 mg/l	TOC na mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Rubber		20-40	%
Absorbent Pads		20-40	%
Debris (Gloves, Paper, Cardboard, Plastic, etc)		20-40	%
Lubricating Oil		1-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

non

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : None present based on process knowledge
TCLP Volatiles : None present based on process knowledge
TCLP Semi-Volatiles : None present based on process knowledge
Reactivity : None present based on process knowledge
Corrosivity : None present based on process knowledge
Ignitability : None present based on process knowledge

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 2/10/2006

Printed Name / Title : Hoss Dinball /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 2/10/2006 Status : Approved Rejected

Approval Number : 1373

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear David Barnan

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1373

Expiration Date 2/10/2009

Generator: Hydril HEIP

Address: 18000 Eastex Freeway
Humble, TX 77396

Waste Information

Name of Waste: Oily Absorbent Pads and other Misc Debris

TCEQ Waste Code #: 00234891

Container Type: Other 25 yd

Detailed Description of Process Generating Waste:

General plant trash and other debris contaminated with lubricating and hydraulic oils.

Color: Varies

Odor: Oil

pH: 5-11

Physical State: Solid

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.


**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TKD008617907 ISWR No: 30900

SECTION 1: Generator Information

Company: Hydril HEIP
 Address: 18000 Eastex Freeway 18000 Eastex Freeway
 City, State, Zip: Humble TX 77396
 Contact: Hass Dinbali DAVID BARRA Title:
 Phone No: (281) 985-8741 8755 Fax:
 24 / HR Phone:
 U.S. EPA ID No: TKD008617907
 State I.D.: 33785 SIC Code

SECTION 2: Billing Information

Company: Hydril HEIP
 Address: 18000 Eastex Freeway 18000 Eastex Freeway
 City, State, Zip: Humble TX 77396
 Contact: Hass Dinbali Title:
 Phone No: (281) 985-8741 Fax:

SECTION 3: General Description of the Waste

Name of Waste: Oily Absorbent Pads and other Misc Debris

Detailed Description of the Process Generating Waste:

General plant trash and other debris contaminated with lubricating and hydraulic oils.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: _____ Varies _____ Odor: _____ Oil _____
 Specific Gravity (Water=1): 1.5 Density: 12 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☐ NoIs the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 81, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers: ☒ Single-Phase ☐ Multi-PhaseContainer Type: ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain) 25 yd

Container Size:

Number Of Units: 1

Is this a USEPA "Hazardous Waste" per 40 CFR 261.37 ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

06/10/2008 14:40

2819858600

HYDRIL HUMBLE

PAGE 02

☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No: 00234891

Proper U.S. State Waste Code No: Non-RCRA/Non-DOT Regulated Material

Class: na UN/NA: na PG: na RQ: na

Flash Point >200	pH 5-11	Reactive Sulphides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 100 %
Oil and Grease >1500 mg/l	TOC na mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Range are acceptable	or %
Rubber		20-40	%
Absorbent Pads		20-40	%
Debris (Gloves, Paper, Cardboard, Plastic, etc)		20-40	%
Lubricating Oil		1-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator's knowledge

TCLP Metals: None present based on process knowledge

TCLP Volatiles: None present based on process knowledge

TCLP Semi-Volatiles: None present based on process knowledge

Reactivity: None present based on process knowledge

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
 - Cadmium: 0.2 mg/L
 - Chromium: 8.9 mg/L
 - Copper: 4.9 mg/L
 - Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
 - ☐ Metals Subcategory
 - ☐ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 2/10/2006

Printed Name / Title: _____

DAVID BARAN MAINT MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thangudu

Process Facility Information:

Reship offsite as CES Class 1 Solids. Charge
 \$55/yd + \$89/hr trans + FSC (4 hr min)

Date: 2/10/2007

Status:

Approved

Rejected

Approval Number:

1373

Corrosivity:

None present based on process knowledge

Ignitability:

None present based on process knowledge

SECTION 9: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 130 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

Calpine Baytown Energy 13774
Profile # 137A

noted

No Signature

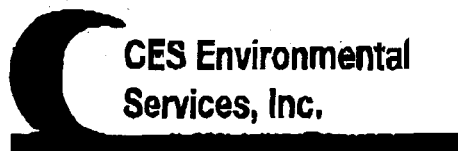


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4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1374

Customer: Calpine Baytown Energy Center

Waste Generator: Calpine Baytown Energy Center

Waste Stream Name: Oily Water

Expiration Date: 2/14/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number. (Check Appropriate Box)

☐ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Baytown Energy Center
Customer Name

Richard Danna
Signature

Calpine / Plant Engineer
Company / Title

1/9/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

PRT



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/14/2006

Dear Perry Cruthurds

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1374

Generator: Calpine Baytown Energy Center

Address: 8605 FM 1405
Baytown, TX 77520

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type: Truck

Detailed Description of Process Generating Waste:

Oily water generated from the cleaning (pressure washing) of oil soaked concrete.

Color: Milky- Clear

Odor: None

pH: 5-11

Physical State: Liquid

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Calpine Baytown Energy Center
Address : 8605 FM 1405
City, State, Zip : Baytown TX 77520
Contact : Perry Cruthurds Title :
Phone No : (281) 303-4200 Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Calpine Baytown Energy Center
Address : 8605 FM 1405
City, State, Zip : Baytown TX 77520
Contact : Perry Cruthurds Title :
Phone No : (281) 303-4200 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of Process Generating Waste:

Oily water generated from the cleaning (pressure washing) of oil soaked concrete.

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Milky- Clear Odor : None

Specific Gravity (Water=1) : .95-1 Density : 8 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 2000

Number Of Units : 1

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : n/a

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH 5-11	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 2 %
Oil and Grease >1500 mg/l	TOC na mg/l	Zinc nd mg/l	Copper nd mg/l	Nickel nd mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		95-98	%
Lubricating oil		2-3	%
Solids (Concrete dust and dirt)		0-1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : not required per process knowledge

TCLP Volatiles : not required per process knowledge

TCLP Semi-Volatiles : not required per process knowledge

Reactivity : not required per process knowledge

Corrosivity : not required per process knowledge

Ignitability : not required per process knowledge

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 2/10/2006

Printed Name / Title : Perry Cruthirds / Ops Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 2/14/2006 Status : Approved Rejected

Approval Number : 1374

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

JUN-04-2008 11:33

CES ENVIRONMENTAL

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P.002

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Calpine Baytown Energy Center
Address : 8605 FM 1405 8605 FM 1405
City, State, Zip : Baytown TX 77520
Contact : Lue Miller Title :
Phone No : (281) 303-4200 Fax : (281) 303-4299
24 / HR Phone :
U.S EPA I.D No : TXR000043976
State I.D : 86845 SIC Code

SECTION 2: Billing Information

Company : Calpine Baytown Energy Center
Address : 8605 FM 1405 8605 FM 1405
City, State, Zip : Baytown TX 77520
Contact : Lue Miller Title :
Phone No : (281) 303-4200 Fax : (281) 303-4299

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of the Process Generating Waste:

Oily water generated from the cleaning (pressure washing) of oil soaked concrete.

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Milky- Clear Odor : None
Specific Gravity (Water=1) : .95-1 Density : 8 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☒ NoIs the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phase ☒ Multi-PhaseContainer Type : ☒ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Container Size : 2000

Number Of Units : 1

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

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CES ENVIRONMENTAL

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☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : n/a

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH 5-11	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 2 %
Oil and Grease >1500 mg/l	TOC na mg/l	Zinc nd mg/l	Copper nd mg/l	Nickel nd mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %.
Water		95-98	%
Lubricating oil		2-3	%
Solids (Concrete dust and dirt)		0-1	%

SECTION 5: Safety Related Data

handling of this waste requires the use of special protective equipment, please explain.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any);

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : not required per process knowledge
TCLP Volatiles : not required per process knowledge
TCLP Semi-Volatiles : not required per process knowledge
Reactivity : not required per process knowledge

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Ignitability : not required per process knowledge**SECTION 9: Waste Receipt Classification Under 40 CFR 437**Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Organics Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory☒ Oils Subcategory☐ Organics Subcategory**SECTION 10: Additional Instruction**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : Richard Damon Date : 2/10/2006Printed Name / Title : Perry Crothinds / Ops Mgr. Richard Damon / Plant Engineer**CES USE ONLY (DO NOT WRITE IN THIS SPACE)****Process Facility Information :**Compliance Officer : Prabhakar Thangudu

.28/gal

Trans \$69/hr plus fsc

Date : 2/14/2008 Status : Approved RejectedApproval Number : 1374

Enterprise Products Operating 1378P.
Profile# 1378

No Signature



No. 10341

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JP

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1378

Customer: Enterprise Products Operating, L.P. (Splitter III)

Waste Generator: Enterprise Products Operating, L.P. (Splitter III)

Waste Stream Name: Aqueous Waste with Low Organic Content

Expiration Date: 2/14/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☒ The following analysis is required for recertification.
Please submit results of the following tests.

Customer Name

Signature

Company / Title

Date

- ☒ TCLP Metals
- ☒ TCLP Volatiles
- ☒ TCLP Semi-volatiles
- ☒ Reactivity
- ☒ Corrosivity
- ☒ Ignitability

PRT

Mercury Environmental Services, Inc.

6915 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: (713) 676-1676

Attn: Ryan Thomas

- CERTIFICATE OF RESULTS -

MES Lab#: 8010486

Client Sample ID: 0104-36

Sample Receipt Date: 1/18/2008 @ 11:15:00 AM

Test Group / Method

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time
Vinyl chloride	0.10	0.2	< 0.10	mg/L	1/24/2008 / 12:32 AM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	1/24/2008 / 12:32 AM
2-Butanone	0.50	200	< 0.50	mg/L	1/24/2008 / 12:32 AM
Chloroform	0.05	6	< 0.05	mg/L	1/24/2008 / 12:32 AM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	1/24/2008 / 12:32 AM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	1/24/2008 / 12:32 AM
Benzene	0.05	0.5	< 0.05	mg/L	1/24/2008 / 12:32 AM
Trichloroethene	0.05	0.5	< 0.05	mg/L	1/24/2008 / 12:32 AM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	1/24/2008 / 12:32 AM
Chlorobenzene	0.05	100	< 0.05	mg/L	1/24/2008 / 12:32 AM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	1/24/2008 / 12:32 AM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	1/24/2008 / 12:32 AM

TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
Pyridine	0.05	5	< 0.05	mg/L	1/23/2008 / 9:47 AM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	1/23/2008 / 9:47 AM
o-Cresol	0.05	200	< 0.05	mg/L	1/23/2008 / 9:47 AM
m+p-Cresol	0.05	200	< 0.05	mg/L	1/23/2008 / 9:47 AM
Hexachloroethane	0.05	3	< 0.05	mg/L	1/23/2008 / 9:47 AM
Nitrobenzene	0.05	2	< 0.05	mg/L	1/23/2008 / 9:47 AM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	1/23/2008 / 9:47 AM
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L	1/23/2008 / 9:47 AM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L	1/23/2008 / 9:47 AM
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L	1/23/2008 / 9:47 AM
Hexachlorobenzene	0.05	0.13	< 0.05	mg/L	1/23/2008 / 9:47 AM
Pentachlorophenol	0.50	100	< 0.50	mg/L	1/23/2008 / 9:47 AM

Report Date: 28-Jan-08

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#: 8010486

Client Sample ID: 0108-36

Sample Receipt Date: 1/18/2008 @ 11:15:00 AM

TCLP Metals (8) Method: SW-846 6010B		MDL	RL	Result	Units	Analyst: AM Date / Time
Arsenic		0.050	5	0.107	mg/L	1/21/2008 / 6:46 AM
Barium		0.002	100	0.018	mg/L	1/21/2008 / 6:46 AM
Cadmium		0.004	1	< 0.004	mg/L	1/21/2008 / 6:46 AM
Chromium		0.007	5	< 0.007	mg/L	1/21/2008 / 6:46 AM
Lead		0.010	5	< 0.010	mg/L	1/21/2008 / 6:46 AM
Selenium		0.050	1	< 0.050	mg/L	1/21/2008 / 6:46 AM
Silver		0.002	5	< 0.002	mg/L	1/21/2008 / 6:46 AM
TCLP Mercury Method: SW-846 7470A		MDL	RL	Result	Units	Analyst: AM Date / Time
Mercury		0.0002	0.2	< 0.0002	mg/L	1/22/2008 / 12:52 AM
Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2		MDL		Result	Units	Analyst: AB Date / Time
Hydrogen Cyanide		0.25		< 0.25	mg/kg	1/23/2008 / 11:39 AM
Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2		MDL		Result	Units	Analyst: ASB Date / Time
Hydrogen Sulfide		0.25		< 0.25	mg/kg	1/23/2008 / 10:00 AM
Corrosivity: pH Method: SW-846 9045		MDL		Result	Units	Analyst: JE Date / Time
pH				9.74		1/22/2008 / 1:46 PM
Ignitability Method: SW-846 1010		MDL		Result	Units	Analyst: DEB Date / Time
Flashpoint				>150	deg F	1/22/2008 / 12:35 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit


Holland D. Gilmore, Laboratory Director

Monday, January 28, 2008

Date

Report Date: 28-Jan-08

Page 2 of 2

8010486

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

SURROGATE SPIKE RECOVERY FOR VOLATILES**% REC**

Dibromofluoromethane	108.2
Toluene-d8	92.8
4-Bromofluorobenzene	104.7

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES**% REC**

2-Fluorophenol	49.3
Phenol-d6	35.0
Nitrobenzene-d5	39.2
2-Fluorobiphenyl	107.5
2,4,6-Tribromophenol	82.7
p-Terphenyl-d14	76.9

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

ANALYTE**STD**

Flashpoint

82°F

ANALYTE
BUFFER
7.0
ORIG DUP

pH

7.0

6.08 6.08

ANALYTE
ORIG DUP
mg/kg mg/kg RPD

Reactivity as Hydrogen Sulfide < 0.25 < 0.25 0.00

Mercury Environmental Services, Inc.

8010486

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT CONTINUED**

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD	STD %REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	97

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery
ML=Minimum Level of Quantitation

Signature: 

Holland D. Gilmore / Laboratory Director

January 28, 2008

Mercury Environmental Services, Inc.

Form # MES - CCR#

WHITE - Returned with Report



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/14/2006

Dear Charlie Marcowitz

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1378

Generator: Enterprise Products Operating, L.P. [Splitter III]

Address: P.O. Box 573 (316 S. Main)
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Aqueous Waste with Low Organic Content

TCEQ Waste Code #: 00731191

Container Type: Truck

Detailed Description of Process Generating Waste:

Water from oily water separator from plant process areas (Splitter 3)

Color: Dark

Odor: Slight Hydrocarbon

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Enterprise Products Operating, L.P. [Splitter III]
Address : P.O. Box 573 (316 S. Main)
City, State, Zip : Mont Belvieu TX 77580
Contact : Charlie Marcowitz Title :
Phone No : (281) 385-4310 Fax : (281) 385-4532
24 / HR Phone :
U.S EPA I.D No : TXD987981560
State I.D : 39257 SIC Code

SECTION 2: Billing Information

Company : Enterprise Products Operating, L.P. [Splitter III]
Address : P.O. Box 573 (316 S. Main)
City, State, Zip : Mont Belvieu TX 77580
Contact : Charlie Marcowitz Title :
Phone No : (281) 385-4310 Fax : (281) 385-4532

SECTION 3: General Description of the Waste

Name of Waste : Aqueous Waste with Low Organic Content

Detailed Description of Process Generating Waste:

Water from oily water separator from plant process areas (Splitter 3)

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Dark Odor : Slight Hydrocarbon

Specific Gravity (Water=1) : 1 Density : 8.34 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 130 bbl

Number Of Units : 5000

Texas State Waste Code No : 00731191

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated wastewater (Aqueous Waste with Low Organic Content)

Class : UN/NA : PG : RQ :

Flash Point >150	pH 3-11	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0-2 %
Oil and Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water from Chiller & Storm Water		85-95	%
Hydraulic Oil		2-10	%
Compressor Oil		2-10	%
Dirt/Sand/Silt		1-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : N/A

TCLP Volatiles : N/A

TCLP Semi-Volatiles : N/A

Reactivity : N/A

Corrosivity : N/A

Ignitability : N/A

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 2/13/2006

Printed Name / Title : Brad Peck / Env. Scientist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 2/14/2006 Status : Approved Rejected

Approval Number : 1378

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.


**CES Environmental
Services, Inc.**
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900
SECTION 1: Generator Information
LLC CUE COMMERCIAL PERIODS
Company: Enterprise Products Operating L.P. (Splitter III)

Address: 316 S. Main PO Box 573 (Attn: Racheal Wheaton)

City, State, Zip: Mont Belvieu TX 77580

Contact: ~~Charlie Markowitz~~ **STEPHEN J. CRAIG** **Title:** **ENVIRONMENTAL SCIENTIST**
Phone No: (281) 385-536-4396 **Fax:** (281) 385-4532

24 / HR Phone: 713.320.4591

U.S. EPA ID No: TXD987981560

State I.D.: 39257 **SIC Code:**
SECTION 2: Billing Information
SEE COMMENT ABOVE
Company: Enterprise Products Operating L.P. (Splitter III)

Address: ~~316 S. Main~~ PO Box 573 (Attn: Racheal Wheaton)

City, State, Zip: Mont Belvieu TX 77580-0573

Contact: ~~Charlie Markowitz~~ **ACCOUNTS PAYABLE** **Title:**
Phone No: (281) 385-4340 4200 **Fax:** (281) 385-4532

SECTION 3: General Description of the Waste
Name of Waste: Aqueous Waste with Low Organic Content

Detailed Description of the Process Generating Waste:
Water from oily water separator from plant process areas (Splitter 3)
Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ combination

Color: Dark **Odor:** Slight Hydrocarbon

Specific Gravity (Water=1): 1 **Density:** 8.34 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Is the Waste subject to the benzene waste operation NESHA? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers: ☒ Single-Phase ☐ Multi-Phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 130 bbl

Number Of Units: 5000

Is this a USEPA "Hazardous Waste" per 40 CFR 261.37 ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto
If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply) _____

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes: _____

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes: _____

Texas State Waste Code No : 00731191

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated wastewater (Aqueous Waste with Low Organic Content)

Class : UN/NA : PG : RQ :

Flash Point >150	pH 3-11	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0-2 %
Oil and Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material I product consists of the following materials		Ranges are acceptable	or %
Water from Chiller & Storm Water		85-95	%
Hydraulic Oil		2-10	%
Compressor Oil		2-10	%
Dirt/Sand/Silt		1-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all Incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below. WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : N/A

TCLP Volatiles :

TCLP Semi-Volatiles : N/A

Reactivity : N/A

Corrosivity : N/AIgnitability : N/A**SECTION 9: Waste Receipt Classification Under 40 CFR 437**Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 138 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste **contains** oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The Information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document

Authorized Signature: _____

Date: 2/13/2008

Printed Name & Title: STEPHEN I CRAIG
Brad Peck / Env. Scientist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thangudu

Approved

Rejected

Date: 2/14/2008

Status: _____

Approval Number: _____

1378

Process Facility Information:

CHECK FLASH if there is an oil phase check for detect, flash and see if it blends with black oil. The water can be discharged under oils subcategory. Charge 15 cents per gallon. \$69 hour for truck plus FSC

GATX (Hearne) 1383
Profile # 1383

pa

MSDS
needed



4900 Griggs Road
Houston, TX 77021
Tel. (713) 676-1480
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1383

Customer: GATX (Hearne)

Waste Generator: GATX (Hearne)

Waste Stream Name: Non-hazardous Wastewater

Expiration Date: 2/15/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

☐ Analysis is NOT required for recertification.

☒ The following analysis is required for recertification.
Please submit results of the following tests.

Ricardo Salias
Customer Name

[Signature]
Signature

GATX / Cleaning Sup.
Company / Title

1/10/08
Date

- ☒ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☒ Reactivity
- ☒ Corrosivity
- ☒ Ignitability

PCT

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536

Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

Attn: Dana Carter

- CERTIFICATE OF RESULTS -

MES Lab#: 8030317

Client Sample ID: Waste Water

Extended ID: GATX Hearne Wastewater / PO #0308-36

Sample Collect Date: 3/10/2008 @ 9:55:00 AM

Sample Type: Comp

Sample Receipt Date: 3/11/2008 @ 9:25:00 AM

Test Group / Method

TCLP Metals (11) Method: SW-846 6010B						Analyst: HDG Date / Time
	MDL	RL	Result	Units		
Antimony	0.032	1	< 0.032	mg/L		3/11/2008 / 11:57 PM
Arsenic	0.014	5	0.024	mg/L		3/11/2008 / 11:57 PM
Barium	0.0005	100	0.0426	mg/L		3/11/2008 / 11:57 PM
Beryllium	0.0005	0.08	< 0.0005	mg/L		3/11/2008 / 11:57 PM
Cadmium	0.002	1	< 0.002	mg/L		3/11/2008 / 11:57 PM
Chromium	0.002	5	0.002	mg/L		3/11/2008 / 11:57 PM
Lead	0.005	5	< 0.005	mg/L		3/11/2008 / 11:57 PM
Nickel	0.003	70	0.142	mg/L		3/11/2008 / 11:57 PM
Selenium	0.024	1	< 0.024	mg/L		3/11/2008 / 11:57 PM
Silver	0.002	5	< 0.002	mg/L		3/11/2008 / 11:57 PM

TCLP Mercury Method: SW-846 7470A						Analyst: TRAHM Date / Time
	MDL	RL	Result	Units		
Mercury	0.0002	0.2	< 0.0002	mg/L		3/13/2008 / 11:53 PM

TCLP Volatiles Method: SW-846 8260B						Analyst: HDG Date / Time
	MDL	RL	Result	Units		
Vinyl chloride	0.10	0.2	< 0.10	mg/L		3/15/2008 / 3:32 PM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L		3/15/2008 / 3:32 PM
2-Butanone	0.50	200	< 0.50	mg/L		3/15/2008 / 3:32 PM
Chloroform	0.05	6	< 0.05	mg/L		3/15/2008 / 3:32 PM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L		3/15/2008 / 3:32 PM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L		3/15/2008 / 3:32 PM
Benzene	0.05	0.5	< 0.05	mg/L		3/15/2008 / 3:32 PM
Trichloroethene	0.05	0.5	< 0.05	mg/L		3/15/2008 / 3:32 PM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L		3/15/2008 / 3:32 PM
Chlorobenzene	0.05	100	< 0.05	mg/L		3/15/2008 / 3:32 PM
1,4-Dichlorobenzene	0.05	0.5	< 0.05	mg/L		3/15/2008 / 3:32 PM

Report Date: 19-Mar-08

Page 1 of 3

EPAHQ112001231

- CERTIFICATE OF RESULTS -**MES Lab#:** 8030317**Client Sample ID:** Waste Water**Extended ID:** GATX Hearne Wastewater / PO #0308-36**Sample Collect Date:** 3/10/2008 @ 9:55:00 AM**Sample Type:** Comp**Sample Receipt Date:** 3/11/2008 @ 9:25:00 AM

Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	3/15/2008 / 3:32 PM
TCLP Sem-Volatiles					
Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
Pyridine	0.05	5	< 0.05	mg/L	3/11/2008 / 10:39 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	3/11/2008 / 10:39 PM
o-Cresol	0.05	200	< 0.05	mg/L	3/11/2008 / 10:39 PM
m+p-Cresol	0.05	200	< 0.05	mg/L	3/11/2008 / 10:39 PM
Hexachloroethane	0.05	3	< 0.05	mg/L	3/11/2008 / 10:39 PM
Nitrobenzene	0.05	2	< 0.05	mg/L	3/11/2008 / 10:39 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	3/11/2008 / 10:39 PM
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L	3/11/2008 / 10:39 PM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L	3/11/2008 / 10:39 PM
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L	3/11/2008 / 10:39 PM
Hexachlorobenzene	0.05	0.13	< 0.05	mg/L	3/11/2008 / 10:39 PM
Pentachlorophenol	0.50	100	< 0.50	mg/L	3/11/2008 / 10:39 PM
Reactivity, Recoverable Hydrogen Cyanide					
Method: 7.3.3.2	MDL		Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	3/13/2008 / 10:05 AM
Reactivity, Recoverable Hydrogen Sulfide					
Method: 7.3.4.2	MDL		Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25		0.90	mg/kg	3/13/2008 / 10:30 AM
Corrosivity, pH					
Method: SW-846 9045	MDL		Result	Units	Analyst: JE Date / Time
pH			7.71		3/17/2008 / 2:00 PM
Ignitability					
Method: SW-846 1010	MDL		Result	Units	Analyst: DEB Date / Time
Flashpoint			>150	deg F	3/13/2008 / 10:45 AM
TCLP Metals (8)					
Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	0.024	mg/L	3/12/2008 / 11:57 PM
Barium	0.0005	100	0.0426	mg/L	3/12/2008 / 11:57 PM
Cadmium	0.002	1	< 0.002	mg/L	3/12/2008 / 11:57 PM
Chromium	0.002	5	0.002	mg/L	3/12/2008 / 11:57 PM
Lead	0.005	5	< 0.005	mg/L	3/12/2008 / 11:57 PM
Selenium	0.024	1	< 0.024	mg/L	3/12/2008 / 11:57 PM
Silver	0.002	5	< 0.002	mg/L	3/12/2008 / 11:57 PM

Report Date: 19-Mar-08

Page 2 of 3

- CERTIFICATE OF RESULTS -

MES Lab#: 8030317

Client Sample ID: Waste Water

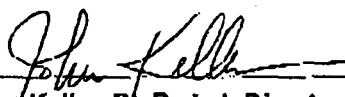
Extended ID: GATX Hearne Wastewater / PO #0308-36

Sample Collect Date: 3/10/2008 @ 9:55:00 AM

Sample Type: Comp

Sample Receipt Date: 3/11/2008 @ 9:25:00 AM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit



John Keller, Ph.D., Lab Director

Wednesday, March 19, 2008

Date

8030317

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Antimony	< 0.005	107.5	111	3.32	< 0.005	105	81.2	83.6	2.9
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Beryllium	< 0.002	109.6	110	0.73	< 0.002	107	82.1	84.6	3.1
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Nickel	< 0.001	105	106	1.66	< 0.001	104	69.3	74.9	7.7
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

SURROGATE SPIKE RECOVERY FOR VOLATILES

% REC

Dibromofluoromethane	100.6
Toluene-d8	99.2
4-Bromofluorobenzene	94.5

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES

% REC

2-Fluorophenol	41.8
Phenol-d6	50.1
Nitrobenzene-d5	42.0
2-Fluorobiphenyl	50.3
2,4,6-Tribromophenol	58.4
p-Terphenyl-d14	39.5

8030317
Page 2

QA/QC REPORT CONTINUED

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	7.71	7.71	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	905	905	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD	STD %REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	100

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature: 
John Keller / Laboratory Director

March 20, 2008

Mercury Environmental Services, Inc.

EPAHQ112001235

3



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/15/2006

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1383

Generator: GATX (Hearne)

Address: P.O. Box 969
Hearne, TX 77859

Waste Information

Name of Waste: Non-hazardous Wastewater

TCEQ Waste Code #: 99091191

Container Type: Truck

Detailed Description of Process Generating Waste:

Water generated from cleaning RCRA empty railcars

Color: Clear to Brown

Odor: None

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : GATX (Hearne)
Address : P.O. Box 969
City, State, Zip : Hearne TX 77859
Contact : Ricardo Salias Title : Environmental Manager
Phone No : (979) 279-7020 Fax : (979) 279-5664
24 / HR Phone : (979) 279-7020
U.S EPA I.D No : TXD000835207
State I.D : 32643 SIC Code

SECTION 2: Billing Information

Company : GATX (Hearne)
Address : P.O. Box 969
City, State, Zip : Hearne TX 77859
Contact : Ricardo Salias Title : Environmental Manager
Phone No : (979) 279-7020 Fax : (979) 279-5664

SECTION 3: General Description of the Waste

Name of Waste : Non-hazardous Wastewater

Detailed Description of Process Generating Waste:

Water generated from cleaning RCRA empty railcars

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Clear to Brown Odor : None

Specific Gravity (Water=1) : 1 Density : 8.34 lbs / gal

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 130 bbl

Number Of Units : 5000

Texas State Waste Code No : 99091191

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated rinse water

Class : UN/NA : PG : RQ :

Flash Point >200	pH 3-11	Reactive Sulfides <20 mg/l	Reactive Cyanides <20 mg/l	Solids 0-2 %
Oil and Grease >1500 mg/l	TOC 10000 mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		98-99	%
Amines		0.01-0.05	%
Alcohols		0.01-0.05	%
Rust		0.01-0.05	%
Salts		0.5-1	%
Lube Oils		0.01-0.5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits
 TCLP Volatiles : TCLP Volatiles are below regulatory limits
 TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits
 Reactivity : No reactive materials are present
 Corrosivity : pH is neutral
 Ignitability : No ignitable materials are present

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature :  Date : 1/15/2006

Printed Name / Title : Ricardo Salias, Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Additional Information

Compliance Officer : 

Date : 2-15-06 Status : ☒ Approved ☐ Rejected

Approval Number :

1383

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☒ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☒ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Select Environmental 1387
Profile # 1387

[illegible]



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1387

Customer: Select Environmental

Waste Generator: Select Environmental

Waste Stream Name: Oily Water

Expiration Date: 3/21/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

RON KOHLER
Customer Name

Ron Kohler
Signature

SELECT ENVIRONMENTAL
OPERATIONS
Company / Title

02/18/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

PRT



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

L. C.

Waste Pre-Acceptance/Approval Letter

Date 3/21/2006

Dear Fred Blankenship

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1387

Generator: Select Environmental

Address: 223 McCarty Road
Houston, TX 77029

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type: Truck

Detailed Description of Process Generating Waste:

oily water from collection from various facilities

Color: Dark

Odor: Hydrocarbon

pH: 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001245



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Select Environmental

Address : 223 McCarty Road

City, State, Zip : Houston TX 77029

Contact : Fred Blankenship

Title :

Phone No : (281) 831-6308

Fax :

24 / HR Phone : (281) 831-6308

U.S EPA I.D No : N/A

State I.D : N/A

SIC Code

N/A

SECTION 2: Billing Information

Company : Select Environmental

Address : 223 McCarty Road

City, State, Zip : Houston TX 77029

Contact : Fred Blankenship

Title :

Phone No : (281) 831-6308

Fax :

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of Process Generating Waste:

oily water from collection from various facilities

Physical State :

☒ Liquid

☐ Sludge

☐ Powder

☐ Solid

☐ Filter Cake

☐ Combination

Color :

Dark

Odor :

Hydrocarbon

Specific Gravity (Water=1) :

1

Density :

8.34

lbs / gal

Layers :

☐ Single-Phas

☒ Multi-Phase

Container Type :

☐

Drum

☐

Tote

☒

Truck

☐

Other (explain)

Container Size :

5000

Number Of Units :

15000

Texas State Waste Code No :

Recycle

Proper U.S. State Waste Code No :

Recyclable hydrocarbon and water mixture

Class :

N/A

UN/NA :

N/A

PG :

N/A

RQ :

N/A

Flash Point >200	pH 3-11	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0-2 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		90-95	%
Oil		5-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : N/A

TCLP Volatiles : N/A

TCLP Semi-Volatiles : N/A

Reactivity : N/A

Corrosivity : N/A

Ignitability : N/A

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : [Signature]

Date :

3-21-06

Printed Name / Title :

Kevin White Sales

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer :

[Signature]

Date : 3-21-06

Status :

Approved

Rejected

Approval Number :

1387

Additional Information

--

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Gowan Mechanical Services
Profile # 1385

1.00

L. Ann



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

GB

Waste Pre-Acceptance/Approval Letter

Date 2/16/2006

Dear Darryl Tice

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1385

Generator: Gowan Mechanical Services
Address: 5550 Airline
Houston, TX 77076

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type: Drum

Detailed Description of Process Generating Waste:

Equipment fluid changes

Color: Brown

Odor: Oil like

pH: Neutral

Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Gowan Mechanical Services
Address : 5550 Airline
City, State, Zip : Houston TX 77076
Contact : Darryl Tice Title :
Phone No : (713) 696-5483 Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Gowan Mechanical Services
Address : 5550 Airline
City, State, Zip : Houston TX 77076
Contact : Darryl Tice Title :
Phone No : (713) 696-5483 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of Process Generating Waste:

Equipment fluid changes

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Brown Odor : Oil like

Specific Gravity (Water=1) : .85-1 Density : 8 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 9

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH Neutral	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids <5 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Oil		30-90	%
Water		10-70	%
Dirt/Sludge		0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Chlor-D-Tect

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 2/14/2006

Printed Name / Title : Darryl Tice / Director, Loss Control & Safety Services

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 2/16/2006 Status : ☒ Approved ☐ Rejected

Approval Number : 1385

Additional Information

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

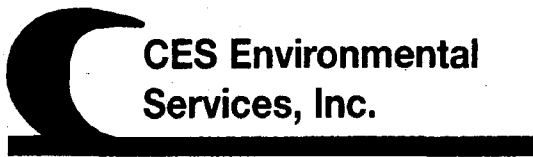
☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/9/2008

Dear Darryl Tice

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1385

Expiration Date 2/16/2007

Generator: Gowan Mechanical Services

Address: 5550 Airline
Houston, TX 77076

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type: Drum

Detailed Description of Process Generating Waste:

Equipment fluid changes

Color: Brown

Odor: Oil like

pH: Neutral

Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

1385

SECTION 1: Generator Information

Company : Gowan Mechanical Services
Address : 5550 Airline
City, State, Zip : Houston TX 77076
Contact : Darryl Tice Title :
Phone No : (713) 696-5483 Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Gowan Mechanical Services
Address : 5550 Airline
City, State, Zip : Houston TX 77076
Contact : Darryl Tice Title :
Phone No : (713) 696-5483 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of the Process Generating Waste:

Equipment fluid changes

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Brown Odor : Oil like
Specific Gravity (Water=1) : .85-1 Density : 8 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 9

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH Neutral	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids <5 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Oil		30-90	%
Water		10-70	%
Dirt/Sludge		0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Chlor-D-Tect

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : ☒ X
Ignitability : ☒ X

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____

n/a

Date : 2/14/2006

Printed Name / Title : Darryl Tice / Director, Loss Control & Safety Services

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Prabhakar Thangudu

Process Facility Information :

No Longer Generated

Date : 2/16/2006

Status :

Approved

Rejected

Approval Number :

1385

1396

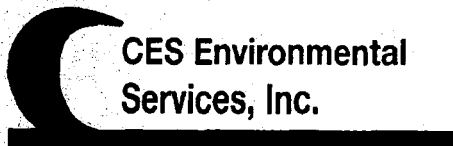
Dyna Drill

Profile # 1396

L. Cur

Smead
UPC 10334
No. 2-153L
HASTINGS, MN





4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1396

Customer: Dyna Drill

Waste Generator: Dyna Drill

Waste Stream Name: Non-Hazardous Waste Steel Shot

Expiration Date: 2/22/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

Jamie Gregory
Customer Name

[Signature]
Signature

HSE Field Tech.
Company / Title

2-28-08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

**ENVIRON EXPRESS LABORATORIES, INC.**

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO: 60065.05**1 of 1**

Customer: **CES Environmental**
Project ID: **Dyna Drill**
Project Loc: **Houston, TX**
Charge/P.O.:

Sample ID: **Shot Dust**
Matrix: **Solid**
Type: **Grab**

Environ ID: **60065.05**
Sampled: **01-18-06**
Received: **01-24-06**
Reported: **02-02-06**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	SQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.001	mg/kg	0.7	0.001	SW846.8021B	DMB	02-01-06	14:16
Toluene	0.017	mg/kg	1,000	0.001	SW846.8021B	DMB	02-01-06	14:16
Ethylbenzene	< 0.001	mg/kg	400	0.001	SW846.8021B	DMB	02-01-06	14:16
Xylenes	< 0.003	mg/kg	7,000	0.003	SW846.8021B	DMB	02-01-06	14:16
Total BTEX	0.017	mg/kg			SW846.8021B	DMB	02-01-06	14:16
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	< 500	mg/kg	--	500	TCEQ 1005.03	DMB	01-29-06	21:24
DRO (Diesel Range)	7,553	mg/kg	--	500	TCEQ 1005.03	DMB	01-29-06	21:24
ORO (Oil Range)	951	mg/kg	--	500	TCEQ 1005.03	DMB	01-29-06	21:24
TOTAL TPH	8,504	mg/kg	--	500			01-29-06	21:24
RCI								
Reactive Cyanide	< 50	mg/kg	250	20	SW846.7.3.3	JK	02-01-06	8:00
Reactive Sulfide	< 50	mg/kg	500	20	SW846.7.3.4	JK	02-01-06	9:20
Corrosivity (Ph)	7.42	su	=>2; =<12.5	--	SW846.9045C	MN	01-25-06	13:15
Ignitability	> 160	°F	> 140	--	SW846.1010	JK	01-31-06	9:30
METALS - TCLP					SW846.1311	MN	01-24-06	
Antimony	< 0.08	mg/l	1.0	0.08	SW846.6010B	JK	01-26-06	19:44
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Barium	6.44	mg/l	100	0.02	SW846.6010B	JK	01-26-06	19:44
Beryllium	< 0.05	mg/l	0.08	0.05	SW846.6010B	JK	01-26-06	19:44
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	JK	01-26-06	19:44
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Nickel	< 0.54	mg/l	70.0	0.05	SW846.6010B	JK	01-26-06	19:44
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	01-26-06	19:44
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	JK	01-26-06	19:44
Mercury	< 0.002	mg/l	0.20	0.002	SW846.7470A	MN	01-26-06	08:30

Definitions:

TCLP - Toxicity Characteristic Leaching Procedure su - Standard Units

REG - Regulatory Limit (User Should Confirm Lim VOC - Volatile Organic Compounds

MQL - Method Quantitation Limit

SVOC - Semivolatile Organic Compounds

PPM - Parts Per Million

TPH - Total petroleum Hydrocarbons

mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

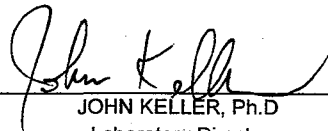
ANALYSIS: METALS METHOD: EPA SW846/6010 MATRIX: LIQUID

ANALYST: JK DATE: 01.26.06 UNITS: PPM (mg/l) NO. SAMPLES: 14

SAMPLES:	60062.01	60062.02	60065.01	60065.02	60065.03	60065.04	60065.05	60066.01
	60069.01	60070.01	60074.01	60074.02	60074.03	60072.01		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 60062.01

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF. %	CONT. CALIB.	METHOD BLANK	QC LIMITS	
									RECOV.	DIFF.
Arsenic	0.00	5	4.89	98	103	5	96	0	75 - 125	20
Barium	0.00	5	4.95	99	103	4	98	0	75 - 125	20
Cadmium	0.00	5	4.92	98	102	3	94	0	75 - 125	20
Chromium	0.00	5	5.11	102	105	3	98	0	75 - 125	20
Lead	0.00	5	4.99	100	104	4	98	0	75 - 125	20
Selenium	0.00	5	4.95	99	102	3	96	0	75 - 125	20
Silver	0.00	5	4.97	99	100	0	106	0	75 - 125	20


JOHN KELLER, Ph.D
Laboratory Director



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/22/2006

Dear Eddie Garcia

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1396

Generator: Dyna Drill

Address: 4660 World Houston Pkwy
Houston, TX 77032

Waste Information

Name of Waste: Non-Hazardous Waste Steel Shot

TCEQ Waste Code #: 00043891

Container Type: Drum

Detailed Description of Process Generating Waste:

Spent (used) carbon steel shot from blasting the inside of new (unpainted) carbon steel pipe

Color: Varies

Odor: None

pH: na

Physical State: Solid

Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Dyna-Drill Technologies
Address: 4225 World Houston Drive
City, State, Zip: Houston, TX 77032
Contact: Eddie Garcia Title: HSE Manager
Phone No: 281-227-1250 Fax No: 281-227-1255
24/hr Phone: 832-452-9570
U.S. EPA I.D. No: TXR000033084
State I.D. 86208 SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Waste Steel Shot

Detailed Description of Process Generating Waste: Spent (Used) carbon steel shot from blasting the inside of new (unpainted) carbon steel pipe.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies Odor: None

Specific Gravity (water=1): .9-1.2 Density: 10 lbs/gal

Layers: ☐ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 Gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1-10 Other: _____

Texas State Waste Code No: 00043891

Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Steel Shot

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 100%
---------------------	----------	----------------------------	----------------------------	----------------

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Steel Shot	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles: ☒

TCLP Semi-Volatiles: ☒

Reactivity:

Corrosivity:

Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: X Eddie Garcia Date: 02/16/06

Printed Name/Title: Eddie Garcia/HSE Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert W. Chagala

Additional Information: _____

Date: 2-21-06 ☒ Approved ☐ Rejected

Approval Number: 1396

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX: 281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO:

60065.05

1 of 1

Customer: CES Environmental
Project ID: Dyna Drill
Project Loc: Houston, TX
Charge/P.O.:

Sample ID: Shot Dust

Matrix: Solid
Type: Grab

Environ ID: 60065.05

Sampled: 01-18-06

Received: 01-24-06

Reported: 02-02-06

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	SQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.001	mg/kg	0.7	0.001	SW846.8021B	DMB	02-01-06	14:16
Toluene	0.017	mg/kg	1,000	0.001	SW846.8021B	DMB	02-01-06	14:16
Ethylbenzene	< 0.001	mg/kg	400	0.001	SW846.8021B	DMB	02-01-06	14:16
Xylenes	< 0.003	mg/kg	7,000	0.003	SW846.8021B	DMB	02-01-06	14:16
Total BTEX	0.017	mg/kg			SW846.8021B	DMB	02-01-06	14:16
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	< 500	mg/kg	--	500	TCEQ 1005.03	DMB	01-29-06	21:24
DRO (Diesel Range)	7,553	mg/kg	--	500	TCEQ 1005.03	DMB	01-29-06	21:24
ORO (Oil Range)	951	mg/kg	--	500	TCEQ 1005.03	DMB	01-29-06	21:24
TOTAL TPH	8,504	mg/kg	--	500			01-29-06	21:24
RCI								
Reactive Cyanide	< 50	mg/kg	250	20	SW846.7.3.3	JK	02-01-06	8:00
Reactive Sulfide	< 50	mg/kg	500	20	SW846.7.3.4	JK	02-01-06	9:20
Corrosivity (Ph)	7.42	su	=>2; =<12.5	--	SW846.9045C	MN	01-25-06	13:15
Ignitability	> 160	°F	> 140	--	SW846.1010	JK	01-31-06	9:30
METALS - TCLP					SW846.1311	MN	01-24-06	
Antimony	< 0.08	mg/l	1.0	0.08	SW846.6010B	JK	01-26-06	19:44
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Barium	6.44	mg/l	100	0.02	SW846.6010B	JK	01-26-06	19:44
Beryllium	< 0.05	mg/l	0.08	0.05	SW846.6010B	JK	01-26-06	19:44
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	JK	01-26-06	19:44
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Nickel	0.54	mg/l	70.0	0.05	SW846.6010B	JK	01-26-06	19:44
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	01-26-06	19:44
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	JK	01-26-06	19:44
Mercury	< 0.002	mg/l	0.20	0.002	SW846.7470A	MN	01-26-06	08:30

Definitions:

TCLP - Toxicity Characteristic Leaching Procedure su - Standard Units

REG - Regulatory Limit (User Should Confirm Lim VOC - Volatile Organic Compounds)

MQL - Method Quantitation Limit

SVOC - Semivolatile Organic Compounds

PPM - Parts Per Million

TPH - Total petroleum Hydrocarbons

mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller, Ph.D.
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: BTEX	METHOD: EPA SW846/5030/8021B	MATRIX: Soil
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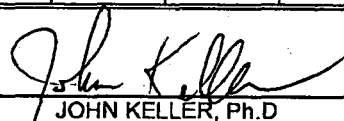
ANALYST: dmb	UNITS: mg/kg	NO. SAMPLES: 19
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SAMPLES:	60049-01	60052-01	60052-02	60053-01	60054-01	60055-01	60060-01	60078-01
	60078-02	60078-03	60071-01	60071-02	60071-03	60071-04	60071-05	60071-06
	60065.02	60065.03	60065.05					

MATRIX MB	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%)	
									REC-RANGE	RPD
BENZ	0	100	110	110	105	4	110	0	60 - 120	20
TOL	0	100	98	98	98	0	98	0	60 - 120	20
ETBZ	0	100	111	111	98	12	111	0	60 - 120	20
XYLS	0	300	312	104	104	0	104	0	60 - 120	20
MTBE	0	100	87	87	137	44	87	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL)
 Ethylbenzene (ETBZ), Xylenes (XYLS)
 MTBE - Methyl-tert-butyl ether
 CCV - Continuing Calibration Verification
 MB - Method Blank
 MS - Matrix Spike
 MSD - Matrix Spike Duplicate
 RPD - Relative Percent Difference
 REC - Recovery Percent


 JOHN KELLER, Ph.D
 Lab.Dir./QA-QC Mgr.

2/2/06

DATE

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: BTEX	METHOD: EPA SW846/5030/8021B	MATRIX: WATER
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ANALYST: dmb	UNITS: mg/l	NO. SAMPLES: 8
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SAMPLES:	60034-01	60034-02	60034-03	60034-04	60034-05	60034-06	60034-07	60065.04

MATRIX 60034-05	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%)	
									REC-RANGE	RPD
BENZENE	0	100	101	101	99	2	110	0	60 - 120	20
TOLUENE	0	100	89	89	99	10	90	0	60 - 120	20
Et-BENZENE	0	100	94	94	91	3	92	0	60 - 120	20
XYLENES	0	300	266	89	89	1	89	0	60 - 120	20
MTBE	0	100	85	85	83	2	108	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL)

Ethylbenzene (ETBZ), Xylenes (XYLS)

MTBE - Methyl-tert-butyl ether

CCV - Continuing Calibration Verification


MB - Method Blank

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative Percent Difference

REC - Recovery Percent


 JOHN KELLER, Ph.D
 Lab. Dir./QA-QC Mgr.

1/28/06

DATE

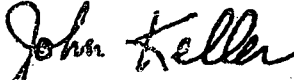
ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: TPH METHOD: TNRCC 1005.3

ANALYST: dmb MATRIX: SOIL UNITS: mg/kg SAMPLES: 15

SAMPLES:	60065-02	60065-03	60065-05	60066-01	60079-01	60079-02	60079-03
	60079-04	60079-05	60079-06	60079-07	60079-08	60079-09	60079-10
	60079-11						

SAMPLE	MB mg/kg	CCV REC	LCS REC	MS REC	MSD REC	MS-MSD RPD	QC LIMITS	
							REC	RPD
60079-06								
GRO RESULT	<50	119	100	96	104	8	70 - 130	30
DRO RESULT	<50	105	101	92	92	0	70 - 130	30



1/30/06

JOHN KELLER, Ph.D, Lab.Dir./QA-QC Mgr.

DATE

KEY:

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

CCV - Continuing Calibration Verification

MB - Method Blank

LCS - Laboratory Control Sample

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative % Difference

REC - Recovery %

ENVIRON EXPRESS QUALITY CONTROL REPORT
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ANALYSIS: TPH	METHOD: TNRCC 1005.3
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ANALYST: dmb	MATRIX: WATER	UNITS: mg/l	SAMPLES: 16
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SAMPLES:	60050-06	60059-01	60061-01	60061-02	60061-03	60061-04	60061-05
	60061-06	60061-07	60061-08	60061-09	60073-01	60073-02	60065-04
	60091-09	60091-10					

SAMPLE	MB mg/l	CCV REC	LCS REC	MS REC	MSD REC	MS-MSD RPD	QC LIMITS	
							REC	RPD
60073-01								
GRO RESULT	<5	111	87	82	76	7	70 - 130	30
DRO RESULT	<5	100	90	84	78	7	70 - 130	30


1/30/06
 JOHN KELLER, Ph.D., Lab.Dir./QA-QC Mgr. DATE

KEY:

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

CCV - Continuing Calibration Verification

MB - Method Blank

LCS - Laboratory Control Sample

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative % Difference

REC - Recovery %

ENVIRON EXPRESS QUALITY CONTROL REPORT
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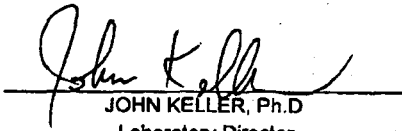
ANALYSIS: METALS	METHOD: EPA SW846/6010	MATRIX: LIQUID
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ANALYST: JK	DATE: 01.26.06	UNITS: PPM (mg/l)	NO. SAMPLES: 14
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SAMPLES:	60062.01	60062.02	60065.01	60065.02	60065.03	60065.04	60065.05	60066.01
	60069.01	60070.01	60074.01	60074.02	60074.03	60072.01		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS	BATCH ID: 60062.01
--	--------------------

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF. %	CONT. CALIB.	METHOD BLANK	QC LIMITS	
									RECOV.	DIFF.
Arsenic	0.00	5	4.89	98	103	5	96	0	75 - 125	20
Barium	0.00	5	4.95	99	103	4	98	0	75 - 125	20
Cadmium	0.00	5	4.92	98	102	3	94	0	75 - 125	20
Chromium	0.00	5	5.11	102	105	3	98	0	75 - 125	20
Lead	0.00	5	4.99	100	104	4	98	0	75 - 125	20
Selenium	0.00	5	4.95	99	102	3	96	0	75 - 125	20
Silver	0.00	5	4.97	99	100	0	106	0	75 - 125	20


 JOHN KELLER, Ph.D
 Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: MERCURY METHOD: EPA SW846/7471A MATRIX: TCLP Fluid #1

ANALYSTS: MN DATE: 01.26.06 UNITS: mg/l NO.SAMPLES: 11

SAMPLES:	60065.01	60065.02	60065.03	60065.04	60065.05	60066.01	60069.01	60070.01
	60074.01	60074.02	60074.03					

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Fluid #1	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF.	QC LIMITS	
										RECOV.	DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	100	0	1	60 - 120	20


JOHN KELLER, Ph.D
Laboratory Director



CHAIN OF CUSTODY

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Next Friday AM

Results To: <u>Dan Bowman</u>		Invoice To: <u>Dan Bowman</u>		TAT (WORKING DAYS) CIRCLE ONE 1 2 3 5			
Company: <u>CES Environmental</u>		Company:		LAB LOT #		COC Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Address: <u>4904 Griggs Rd</u>		Address:		Shipment Sealed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Samples Sealed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
City: <u>Houston</u> State: <u>Tx</u> Zip: <u>77021</u>		City: <u>Same</u> State: <u>Same</u> Zip: <u>Same</u>		Received on Ice? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Samples Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Phone: <u>713-854-6150</u>		Phone:		Cooler Temp. (°C) <u>20C</u>		Preservative Shown? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Fax: <u>713-676-1676</u>		Fax:		Hold Time OK? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Res. Clz Check OK? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
e-Mail:		PO#:		Quote#:		pH Check OK? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Project Name: <u>Dyna Drill</u>		Sampler Remarks:		Cntr. Type <u>6</u>		COC & Labels Agree? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Project Location: <u>Houston Tx</u>		Volume <u>3202</u>		Preservative <u>1</u>		Remarks & Additional Analyses	

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	MATRIX	(C)OMP / (G)IRAB	BTEX (8021)	TPH (TX1005)	PCI	PAH	TOTAL EPA TCLP			RCRA 8 METALS	RCRA 11 METALS
									VOLATILES	SEMI-VOLS	PCRA 8 METALS		
60065.01	1) Coolant & oil	11/18/06 10:00 AM	Lg									X	
.02	2) Polish Dust	11/18/06 10:10 AM	SO		X	X	X					X	
.03	3) Grinding Dust	11/18/06 10:15 AM	SO		X	X	X					X	
.04	4) Soapy Water	11/18/06 10:30 AM	Lg		X	X	X					X	
.05	5) Shot Dust	11/18/06 10:45 AM	SO		X	X	X					X	
	6)												
	7)												
	8)												
	9)												
	10)												

Relinquished By: <u>Dan Bowman</u>	Company: <u>CES</u>	Date/Time: <u>11/23/05 2:40 PM</u>	Received By: <u>Ronda Hargrave</u>	Company: <u>EEL</u>
Relinquished By:	Company:	Date/Time: <u>11/24/05</u>	Received By:	Company:
Relinquished By:	Company:	Date/Time:	Received By:	Company:

Matrix Key
S: Soil W: Water WW: Waste Water SL: Sludge SO: Solid SE: Sediment L: Leachate WI: Wipe OR: Organic OL: Oil DS: Drum Solid DL: Drum Liquid O: Other

Container Type Key
P: Plastic G: Glass V: VOA Glass O: Other

Preservative Key

1: Ice (<4°C) 2: HCL 3: H2SO4 4: HNO3 5: NaOH 6: NaOH+Zn Acetate 7: Na2S2O3 8: None

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

AMERIFORGE CORP. 1003

(Profile # 1003

7E
8-5-09
LAB
T-36



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

June 24, 2005

**Mr. Pat Mickley
Ameriforge Corporation
13770 Industrial Road
Houston, TX 77015**

**RE: Ameriforge Corporation
OILY WATER
CES PROFILE # 1003**

Dear Mr. Mickley:

Thank you for your interest in CES Environmental Services, Inc. The above mentioned waste stream has been approved at our disposal facility in Houston, TX. We also assist with the following (if needed):

Disposal and/or Recycling
Manifesting

Profiling Assistance
Labeling

The following conditions apply prior to receiving waste at our facility:

- Signed profile sheets must be on file.
- Waste received which does not conform to the profile may result in additional charges or rejection. Materials packaged in containers other than as indicated on the profile may be subject to surcharges as well.

Thank you for this opportunity. Please call if you have any questions or concerns about this approval.

Sincerely,

A handwritten signature in black ink, appearing to read 'Matt Bowman', is written over a horizontal line.

**MATT BOWMAN, PRESIDENT
CES ENVIRONMENTAL SERVICES, INC.**



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Ameriforge Corporation
Address: 13770 Industrial Road
City, State, Zip: Houston, TX 77015
Contact: Pat Mickley Title: _____
Phone No: (713) 393-4200 Fax No: (713) 393-4329
24/hr Phone: (713) 393-4200
U.S. EPA I.D. No: TXR000026690
State I.D. 82538 SIC Code: N/A

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Oily Water

Detailed Description of Process Generating Waste: Removal of hydraulic oils, cutting oils, and water from around machines and outdoor containment areas. (Facility manufactures carbon steel phlanges)

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Specific Gravity (water=1): .98-1 Density: 8.34 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 5,000 _____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 5,000 gallons Other: _____

Texas State Waste Code No: _____ Recyclable

Proper U.S. DOT Shipping Name: _____ Recyclable hydrocarbon and water mixture (oily water)

Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point <u>>200</u>	pH <u>4-11</u>	Reactive Sulfides <u>N/Amg/l</u>	Reactive Cyanides <u>N/Amg/l</u>	Solids <u>0-2%</u>
-------------------------------	-------------------	-------------------------------------	-------------------------------------	-----------------------

Oil&Grease N/Amg/l	TOC N/Amg/l	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l
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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	90-95	
Hydraulic Oil	3-5	
Cutting Oil	3-5	
Dirt/Sand/Rust	2-3	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: Metals are below regulatory limits
TCLP Volatiles: There are no volatile organic materials present in the process
TCLP Semi-Volatiles: There are no semivolatile organic materials present in the process
Reactivity: No reactive materials are introduced to the process
Corrosivity: pH is neutral before shipment
Ignitability: No ignitable materials are present in the process

SECTION 8: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [Signature]

Date: 6/24/05

Printed Name/Title: MRD Buyer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Matt Bon

Additional Information: _____

Date: 6/24/05

Approved

Rejected

Approval Number: 1003

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☒ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1003

Generator: AMERIFORGE CORPORATION

Address: 13710 INDUSTRIAL RD

Name of Waste: RECYCLABLE HYDROCARBON + WATER MIXTURE

TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
 - Liquid X Solid _____
 - Multiphase Liquid _____ Solid _____ Sludge _____
 - Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7
- Odor: _____
- Compatible with proposed mix material: ☒ YES ☐ NO
(EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 0
- Bulk process code assigned (see list): 0/w
Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14703
Waste Manifest Number: BILLOF LADING
Date of Shipment: 10-6-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 20

Analyst/Sampler: [Signature]

Date: 10-6-05



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1003

Generator: AMERIFORGE CORPORATION

Address: 13770 INDUSTRIAL RD HOUSTON TX 77015

Name of Waste: REC. HYDROCARBONS + H₂O MIX

TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

Color of Sample: BROWN

Physical Appearance

Liquid ☒

Solid ☐

Multiphase Liquid ☐

Solid ☐

Sludge ☐

Describe: _____

Matches description from the waste profile: ☒ YES ☐ NO

Matches general composition from the waste profile: ☒ YES ☐ NO

pH of liquid (water phase): _____

Odor: _____

Compatible with proposed mix material: ☒ YES ☐ NO

(EPA-600/2-80-076 review if applicable)

Drum process code(s) assigned (see list): _____

Bulk process code assigned (see list): O/W

Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15192

Waste Manifest Number: BILL OF LADING

Date of Shipment: 10/24/05

Container Type (i.e. drum, tote, etc.): DRUM

Quantity: 1

Analyst/Sampler: Rev A Smith

Date: 10/24/05



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1003

Generator: AMERIFORGE CORP

Address: 13770 INDUSTRIAL

Name of Waste: RECYCLABLE HYDROCARBON (OILY WATER)

TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

▪ Color of Sample: BROWN

▪ Physical Appearance

Liquid _____ Solid _____

Multiphase Liquid X Solid _____ Sludge _____

Describe: _____

- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 8.9
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
(EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
- Bulk tank assigned: T-4

Shipment Information

Job Confirmation Number: P

Waste Manifest Number: BOL- 16298 ; 16299

Date of Shipment: 12/02/05

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 5000 GAL ; 2750 GAL

Analyst/Sampler: [Signature]

Date: 12/02/05



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1003

Generator: AMERIFORGE CORPORATION

Address: 13770 INDUSTRIAL

Name of Waste: RECYCLABLE HYDROCARBON (OILY WATER)

TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- + ■ Color of Sample: BROWN / GRAY
- Physical Appearance
 - Liquid X Solid _____
 - Multiphase Liquid _____ Solid _____ Sludge _____
 - Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 10.1
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
(EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- + ■ Bulk process code assigned (see list): _____
Bulk tank assigned: T-5

Shipment Information

Job Confirmation Number: _____

Waste Manifest Number: ROL 16733

Date of Shipment: 12/17/05

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 5000 GAL

Analyst/Sampler: 

Date: 12/17/05



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1003

Generator: AMERIFORGE CORPORATION

Address: 13770 INDUSTRIAL RD

Name of Waste: OILY WATER

TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

▪ Color of Sample: BLACK

▪ Physical Appearance

Liquid X

Solid _____

Multiphase Liquid _____

Solid _____

Sludge _____

Describe: _____

▪ Matches description from the waste profile: ☒ YES ☐ NO

▪ Matches general composition from the waste profile: ☒ YES ☐ NO

▪ pH of liquid (water phase): 6.8

▪ Odor: OILY

▪ Compatible with proposed mix material: ☒ YES ☐ NO

(EPA-600/2-80-076 review if applicable)

▪ Drum process code(s) assigned (see list): _____

▪ Bulk process code assigned (see list): _____

Bulk tank assigned: T-1

Shipment Information


Job Confirmation Number: 167

Waste Manifest Number: 16750

Date of Shipment: 12/19/05

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 1836 GAL

Analyst/Sampler: 

Date: 12/19/05



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Receiving Report

Profile #: 1003

Generator: AMERIFORGE CORPORATION

Address: 13770 INDUSTRIAL ROAD

Name of Waste: OILY WATER

TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE KNOWN

Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

■ Color of Sample: GRAY

■ Physical Appearance

Liquid ☒

Solid ☐

Multiphase Liquid ☐

Solid ☐

Sludge ☐

Describe: _____

■ Matches description from the waste profile: ☒ YES ☐ NO

■ Matches general composition from the waste profile: ☒ YES ☐ NO

■ pH of liquid (water phase): 5.6

■ Odor: OILY

■ Compatible with proposed mix material: ☒ YES ☐ NO

(EPA-600/2-80-076 review if applicable)

■ Drum process code(s) assigned (see list): _____

■ Bulk process code assigned (see list): _____

Bulk tank assigned: T-5

Shipment Information

Job Confirmation Number: _____

Waste Manifest Number: 17310

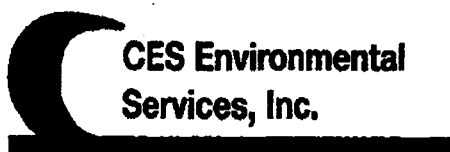
Date of Shipment: 01/09/06

Container Type (i.e. drum, tote, etc.): TANKER

Quantity: 3000 GAL

Analyst/Sampler: AKC

Date: 01/09/06



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1003

Customer: Ameriforge Corporation

Waste Generator: Ameriforge Corporation

Waste Stream Name: Oily Water

Expiration Date: 6/20/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

PATRICK SULLIVAN
Customer Name

[Signature]
Signature

AMERIFORGE, ENV. AFFAIRS MGR.
Company / Title

7-18-08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

G & R Waste Oil Services 1707
Prof # 1707

L. Cui



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/31/2006

Dear Gary Tott

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1707

Generator: G & R Waste Oil Services

Address: 15223 Falcon Ridge
Humble, TX 77396

Waste Information

Name of Waste: Recyclable Oily Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oil and water from oil recycling activities where as oily waters are collected and a portion of the oil is recovered through heating.

Color: Varies

Odor: Oil like

pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: G & K Waste Oil Services
Address: 15223 Falcon Ridge
City, State, Zip: Humble TX 77346
Contact: Gary Tott Title: owner
Phone No: 832-771-1144 Fax No: _____
24/hr Phone: (281) 704-3194
U.S. EPA I.D. No: TX R000057661
State I.D. A 85828 SIC Code: N/A

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Oily water

Detailed Description of Process Generating Waste: Oil and water from oil recycling activities where as oil/waters are collected and a portion of the oil is recovered through heating

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies

Odor: None oil like

Specific Gravity (water=1): 0.8-1.1 Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 5500

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: Recycle

Proper U.S. DOT Shipping Name: non DOT regulated oil and water mixture

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point <u>>200</u>	pH <u>N/A</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>0-2</u> %
Oil & Grease <u>71600</u> mg/l	TOC <u>N/A</u> mg/l	Zinc <u>0</u> mg/l	Copper <u>0</u> mg/l	Nickel <u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
water	97-99	%
oil	1-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

NONE

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

NONE OXIDIZERS

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒
TCLP Volatiles: ☒
TCLP Semi-Volatiles: ☒
Reactivity: ☒
Corrosivity: ☒
Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Gary Tott

Date: 8-1-06

Printed Name/Title: Gary Tott

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert E. Thayer

Additional Information: REC

Date: 8-1-06

Approved

Rejected

Approval Number: 1707

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☒ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☒ Underground storage remediation waste
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/31/2006

Dear Gary Tott

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1707

Generator: G & R Waste Oil Services
Address: 15223 Falcon Ridge
Humble, TX 77396

Waste Information

Name of Waste: Recyclable Oily Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oil and water from oil recycling activities where as oily waters are collected and a portion of the oil is recovered through heating.

Color: Varies

Odor: Oil like

pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Gor K Waste Oil Services
Address: 15223 Falcon Ridge
City, State, Zip: Humble TX 77346
Contact: Gary Tott Title: owner
Phone No: 832-771-1144 Fax No: _____
24/hr Phone: (281) 704-3144
U.S. EPA I.D. No: TX R000057661
State I.D. A 85828 SIC Code: N/A

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable oily water

Detailed Description of Process Generating Waste: Oil and water from oil recycling activities where as solvents are collected and portion of the oil is recovered through heating

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies

Odor: None oil like

Specific Gravity (water=1): 0.8-1.1 Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 5500

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: Recycle

Proper U.S. DOT Shipping Name: Now DOT regulated oil and water mixture

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point <u>>200</u>	pH <u>N/A</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>0-2</u> %
Oil & Grease <u>7/100</u> mg/l	TOC <u>N/A</u> mg/l	Zinc <u>0</u> mg/l	Copper <u>0</u> mg/l	Nickel <u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
water	97-99	%
oil	1-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

NONE

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

NONE OXIDIZER

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒
TCLP Volatiles: ☒
TCLP Semi-Volatiles: ☒
Reactivity: ☒
Corrosivity: ☒
Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Gary Tott Date: 8-1-06

Printed Name/Title: Gary Tott

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert E. Thompson

Additional Information: _____

Date: 8-1-06 ☒ Approved ☐ Rejected

Approval Number: 1707

REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☒ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☒ Underground storage remediation waste
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

4350 GAL



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/31/2006

Dear Gary Tott

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1707

Generator: G & R Waste Oil Services
Address: 15223 Falcon Ridge
Humble, TX 77396

Waste Information

Name of Waste: Recyclable Oily Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oil and water from oil recycling activities where as oily waters are collected and a portion of the oil is recovered through heating.

Color: Varies

Odor: Oil like

pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001308



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: G & K waste Oil Services
Address: 15223 Falcon Ridge
City, State, Zip: Humble TX 77346
Contact: Gary Tott Title: owner
Phone No: 832-771-1144 Fax No: _____
24/hr Phone: (281) 704-3194
U.S. EPA I.D. No: TX R000057661
State I.D. A 85828 SIC Code: N/A

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Oily water

Detailed Description of Process Generating Waste: Oil and water from oil recycling activities where no solvents are collected and a portion of the oil is recovered through heating

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies

Odor: None oil like

Specific Gravity (water=1): 0.8-1.1 Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 5500

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: Recycle

Proper U.S. DOT Shipping Name: NON DOT regulated Oil and water mixture

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point <u>> 200</u>	pH <u>N/A</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>0-2</u> %
Oil & Grease <u>2100</u> mg/l	TOC <u>N/A</u> mg/l	Zinc <u>0</u> mg/l	Copper <u>0</u> mg/l	Nickel <u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
water	97-99	%
oil	1-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

NONE

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

NONE OXIDIZERS

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Gary Tott Date: 8-1-06

Printed Name/Title: GARY TOTT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert H. Hargrave

Additional Information: _____

Date: 8-1-06 Approved Rejected

REC

Approval Number: 1707

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☒ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1707

Customer: G & R Waste Oil Services

Waste Generator: G & R Waste Oil Services

Waste Stream Name: Recyclable Oily Water

Expiration Date: 8/1/2008

19478 DeONADO
Porter TX 77365

Fax (281) 354-1695

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

Gary Tott
Customer Name

[Signature]
Signature

Owner
Company / Title

9/25/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

J

South Coast Terminus (46331)
Profile # 1634

0.00

L. Am



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1634

Customer: South Coast Terminals (La Porte)

Waste Generator: South Coast Terminals (La Porte)

Waste Stream Name: Recyclable Hydrocarbon and Water Mixture

Expiration Date: 6/20/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed

☐ The following analysis is required for recertification. Please submit results of the following tests.

DAN PHAN
Customer Name

[Signature]
Signature

FORE MAN
Company / Title

5/15/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/21/2006

Dear **Dan Pham**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1634

Generator: South Coast Terminals (La Porte)

Address: 10900 Strang Rd.
La Porte, TX 77571

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Rinsewater from cleaning out a tank last containing Oil Red Dye

Color: dark

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: None known

Safety Related Data/Special Handling:

Standard PPE required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001317



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: South Coast Terminals
Address: 10900 Strang Road
City, State, Zip: LaPorte, TX 77571
Contact: Daryl Poe Title: EH&S Manager
Phone No: 713-672-2401 Fax No:
24/hr Phone: 713-672-2401
U.S. EPA I.D. No: TXD981611486
State I.D. 37710 SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: South Coast Terminals
Address: 7401 Wallisville Rd.
City, State, Zip: Houston, TX 77020
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Hydrocarbon and Water Mixture
Detailed Description of Process Generating Waste: Rinse water from cleaning out a tank last containing Oil Red Dye.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Dark Odor: Hydrocarbon

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 5000 _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: Recyclable

Proper U.S. DOT Shipping Name: Non DOT regulated material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >200	pH 3-11	Reactive Sulfides N/Amg/l	Reactive Cyanides N/Amg/l	Solids 0-1%
Oil&Grease N/Amg/l	TOC N/Amg/l	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l

JUN-15-2006 08:56

CES Environmental Service

713 676 1676 P.03

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		90-95	%
Diesel		5-10	%
Soap		0.001-0.5	%
Oil Red B4 Liquid Dye (msds attached)		0-0.5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE Required**SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS for Oil Red B4 Liquid Dye**SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

None Known**SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒
TCLP Volatiles: ☒
TCLP Semi-Volatiles: ☒
Reactivity: ☒
Corrosivity: ☒
Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Daryle PoeDate: June 15, 2006Printed Name/Title: DARYLE POE HSE MGR.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Brahm PongthongAdditional Information: RECDate: 6/20/06☒ Approved☐ RejectedApproval Number: 1634

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Oil Red B4 Liquid Dye

Material Safety Data Sheet

1 Company Identification

Octel Starreon LLC
8375 S. Willow Street
Littleton, CO 80124

Product information 1-800-441-9547
In Case of Emergency
Call Chemtrec 1-800-424-9300

2 Composition / Ingredient Information

<u>Material</u>	<u>CAS Number</u>	<u>%</u>
2-Naphthalenol[(Phenylazo)Phenyl]-Azo Alkyl Derivatives (C.I. Solvent Red 164).....		68
*Aniline	62-53-3	(0.03)
*O-Toluidine.....	95-53-4	(0.03)
*Xylene	1330-20-7	32
*(Ethylbenzene)	100-41-4	(<5)

NOTE: C.I. Solvent Red 164- Ref TSCA Accession #35371

*Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

3 Hazardous Identification

Potential Health Effects

Skin contact with xylene may include drying of the skin with irritation and rash. Skin permeation can occur in amounts capable of producing the effects of systemic toxicity.

Eye contact may cause eye irritation with discomfort, tearing, or blurring of vision.

Inhalation or ingestion of Xylene may cause nonspecific discomfort, such as nausea, headache, or weakness; or temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness. Higher exposures may lead to cardiac stress; anemia and other blood changes; respiratory effects; possible liver and kidney damage; or fatality from gross overexposure.

Ingestion of Xylene may cause gastrointestinal tract irritation; nonspecific discomfort, such as nausea, headache, or weakness; liver effects and temporary nervous system depression.

Individuals with preexisting diseases of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures.

Carcinogenicity Information

The following components are listed by IARC, NTP, OSHA, ACGIH as carcinogens. A "P" indicates a proposed carcinogen.

Material	IARC	NTP	OSHA	ACGIH
O-TOLUIDINE	X	X		

Octel Starreon controls the following materials as potential carcinogens: O-TOLUIDINE.

Ethylbenzene has been classified by the Internal Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). This IARC classification was based upon limited evidence of carcinogenicity to animals and inadequate evidence of carcinogenicity to humans.

4 First Aid Measures

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin Contact

Flush skin with water after contact. Wash contaminated clothing before reuse.

Eye Contact

In case of contact immediately, flush eyes with plenty of water for at least 15 minutes. Call a physician.

Ingestion

If swallowed, do not induce vomiting. Allow victim to rinse his mouth and then to drink 2-4 cupfuls of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400-ml water and mix thoroughly. Administer 5 ml/kg or 350 ml for an average adult.

Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases does not improve outcome. Bacterial pneumonia often occurs after exposure, but prophylactic antibiotics are not indicated and should be reserved for documented bacterial pneumonia.

5 Fire Fighting Measures

Flammable Properties

Flash Point >83°F (>28°C)
Method PMCC

Flammable limits in Air, % by Volume

LEL : 1
UEL : 7

Flammable liquid. Vapor forms explosive mixture with air. Vapors or gases may travel considerable distances to ignition source and flash back.

Hazardous gases/vapors produced in fire are carbon monoxide, oxides of nitrogen acid fumes and smoke.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO₂.

Fire Fighting Instructions

Wear self-contained breathing apparatus. Wear full protective equipment.

6 Accidental Release Measures

Note: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) SECTIONS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Soak up with sawdust, sand, oil dry or other absorbent material. Remove source of heat, sparks, flame, impact, friction, or electricity. Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean-Up

Soak up with sawdust, sand, oil dry or other absorbent material.

Accidental Release Measures

Spills are very slippery and should be cleaned up promptly.

7 Handling and Storage

Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

Handling (Physical Aspects)

Keep away from heat, sparks and flames.

Storage

Store in a well-ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations.

8 Exposure Controls

Engineering Controls

Use only with adequate ventilation. Keep container tightly closed.

Personal Protective Equipment

Eye/Face Protection

Wear overall chemical splash goggles or safety glasses.

Respirators

Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

Protective Clothing

Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, hood and jacket.

Exposure Limits

Xylene:

PEL (OSHA)	100 ppm, 435 mg/m ³ , 8 HR TWA
TLV (ACGIH)	100 ppm, 434 mg/m ³ , 8 hr TWA
	STEL 150 ppm, 651 mg/m ³ , A4
AEL* (Octel Starreon)	100 ppm, 8 & 12 hr, TWA, skin
	150 ppm, 15 minute TWA

Ethylbenzene:

PEL (OSHA)	100 ppm, 435 mg/m ³ , 8 hr, TWA
TLV (ACGIH)	100 ppm, 434 mg/m ³ , 8 hr, TWA
	STEL 125 ppm, 543 mg/m ³
AEL* (Octel Starreon)	None established

Aniline:

PEL (OSHA)	5 ppm, 19 mg/m ³ , 8 hr. TWA, Skin (and Homologues)
TLV (ACGIH)	2 ppm, 7.6 mg/m ³ , 8 hr. TWA, Skin, A3 (and Homologues)
AEL* (Octel Starreon)	2 ppm, 8 & 12 hr TWA, Skin

O-Toluidine:

PEL (OSHA)	5 ppm, 22 mg/m ³ , 8 hr. TWA, Skin
TLV (ACGIH)	2 ppm, 8.8 mg/m ³ , 8 hr. TWA, Skin, A3
AEL* (Octel Starreon)	5 ppm, 8 hr TWA, Skin

The "skin" notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposure should be considered

* AEL is Octel Starreon's acceptable exposure limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

9 Physical and Chemical Properties

Physical Data

Appearance	Dark Red
Form	Liquid
Odor	Aromatic Hydrocarbon
Specific Gravity	0.97 @ 60/60°F (16/16°C)
Solubility in water	negligible
Boiling Point	IBP 137°C (279°F) @ 760 mm Hg
Vapor Pressure	5.1 mm Hg @ 20°C (68°F)
Vapor Density	3.6 (Air = 1)
% Volatile	~33 Wt%
Evaporation Rate	9.5 (ether = 1)

10 Stability and Reactivity

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility

Incompatible with oxidizing agents.

Decomposition

Hazardous gases/vapors produced are nitrogen oxides and carbon monoxide.

Polymerization

Will not occur.

11 Toxicological Information

Animal Data

Xylene (mixed isomers):

Inhalation 4 hour LC506,700 ppm in rats
Skin absorption LD504,320 mg/kg in rabbits
Oral ALD.....4,500 mg/kg in rats

Oil Red B4 Liquid Dye:

Oral LD50:.....>20.8 mg/kg in rats
Skin Absorption LD50.....>10.2 mg/kg in rabbits

The product ingredients are moderate to severe skin and eye irritants in animals. Animal effects attributed to xylene include narcosis caused by skin absorption. Toxicity described for xylene from exposure by inhalation include upper respiratory irritation; central nervous system and behavioral effects; decreased weight gain; hearing loss; and effects on the liver, kidneys, heart, spleen, lungs, bone marrow, and blood. Central nervous system effects; decreased body weights; and liver effects were seen in animals exposed by ingestion to xylene. Tests on xylene in animals demonstrate no carcinogenic activity. While one dye component did produce genetic damage in bacterial cell cultures, xylene does not produce heritable genetic damage in animals or genetic damage in bacterial or mammalian cell cultures. Although abnormal sperm were observed after an intraperitoneal injection in rats, xylene did not produce reproductive effects; developmental toxicity were observed but only at concentrations that were maternally toxic.

12 Ecological Information

Oil Red B Liquid:

96 hour TLM50: >10 mg/L – fresh water mummichog fish

Xylene:

96 hour LC50, fathead minnow: 27-42 mg/L

13 Disposal Considerations

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

14 Shipping Information

DOT

Proper Shipping Name Xylene Solution
Hazard Class 3
I.D. No. (UN/NA) UN 1307
Packing Group III
DOT Label(s) Flammable Liquid

IMO

Proper Shipping Name Xylene 32% Solution
Hazard Class 3
I.D. No. (UN) UN 1307
Packing Group III
Special Information Flash Point: >28°C
IMO Label Flammable Liquid

Shipping Containers

Steel Drums UN1A1/Y/100

15 US Federal Regulations

TSCA Inventory Status Reported / Included

16 Other Information

NPCA-HMIS Rating

Health 2
Flammability 3
Reactivity 0

Personal Protection rating to be supplied by user depending on uses conditions

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS:

**Ann Marie Williams
Octel Starreon LLC
Newark, DE 19702
(800) 441-9547 or
(302) 451-1362**

1638

Goodman



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1638

Customer: Goodman Manufacturing (Furnace Plant)

Waste Generator: Goodman Manufacturing (Furnace Plant)

Waste Stream Name: Oil Contaminated Clay Absorbent

Expiration Date: 6/21/2008 ✓

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☒ The following analysis is required for recertification.
Please submit results of the following tests.

Goodman Manufacturing (Furnace Plant)
Customer Name

[Signature]
Signature

EHS Coordinator
Company / Title

10/1/08
Date

- ☒ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability
- ☒ TCLP Benzene

Laboratory Analysis Report

Total Number of Pages: 8

Job ID : 08090435



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name :
Goodman Furnace, 12th Street

Report To : Client Name: CES Environmental P.O.#.: 0908-43
Attn: Dan Bowman Sample Collected By: Durim T.
Client Address: 4904 Griggs Rd Date Collected: 09/23/08
City, State, Zip: Houston, Texas, 77021

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
0908-43 Asbsorbant Oil	Soil	08090435.01

Sonia West

Released By: Sonia West

Title: Senior Project Manager

Date: 9/26/2008



This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 09/23/2008 08:45

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 08090435

Date: 9/26/2008

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

B2	Target analyte detected in method blank at or above the MDL but below the MQL.
----	--



LABORATORY TEST RESULTS

Job ID : 08090435

Date 9/26/2008

Client Name: CES Environmental

Attn: Dan Bowman

Project Name: Goodman Furnace, 12th Street

Client Sample ID: 0908-43 Asbsorbant Oil

Job Sample ID: 08090435.01

Date Collected: 09/23/08

Sample Matrix Soil

Time Collected: 08:30

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	Total Metals								
	Arsenic	BRL	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Barium	396	mg/Kg	1	0.5		B2	09/24/08 16:07	PGm
	Cadmium	BRL	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Chromium	5.54	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Lead	9.79	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Selenium	BRL	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Silver	BRL	mg/Kg	1	0.5			09/24/08 16:07	PGm
SW-846 7470A	Total Metals - Mercury								
	Mercury	BRL	mg/Kg	1	0.01			09/23/08 14:26	TK
SW-846 8021B	TCLP BTEX & MTBE								
	Benzene	BRL	mg/L	1	0.002	0.5		09/24/08 15:35	HK
	Trifluorotoluene(surr)	91	%	1	75-125			09/24/08 15:35	HK

QUALITY CONTROL CERTIFICATE



Job ID : 08090435

Date : 9/26/2008

Analysis : Total Metals - Mercury

Method : SW-846 7470A

Reporting Units : mg/Kg

QC Batch ID : Qb08092318

Created Date : 09/23/08

Created By : Tkhuc

Samples in This QC Batch : 08090435.01

Digestion :

PB08092313

Prep Method : SW-846 7470A

Prep Date : 09/23/08 12:30 Prep By : Tkhuc

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Mercury	7439-97-6	BRL	mg/Kg	1	0.01	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.1	0.0932	93.2	0.1	0.0949	94.9	1.81	20	80-120	

QC Type: MS and MSD

QC Sample ID: 08090407.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.1	0.0841	83.8						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 08090435

Date : 9/26/2008

Analysis : Total Metals Method : SW-846 6010C Reporting Units : mg/Kg

QC Batch ID : Qb08092438 Created Date : 09/24/08 Created By : Pguirguis

Samples in This QC Batch : 08090435.01

Digestion : PB08092424 Prep Method : SW-846 3050B Prep Date : 09/24/08 15:00 Prep By : Pguirguis

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Arsenic	7440-38-2	BRL	mg/Kg	1	0.5	B2
Barium	7440-39-3	0.103	mg/Kg	1	0.5	
Cadmium	7440-43-9	BRL	mg/Kg	1	0.5	
Chromium	7440-47-3	BRL	mg/Kg	1	0.5	
Lead	7439-92-1	BRL	mg/Kg	1	0.5	
Selenium	7782-49-2	BRL	mg/Kg	1	0.5	
Silver	7440-22-4	BRL	mg/Kg	1	0.5	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	25	26.5	106	25	26.3	105	0.76	20	80-120	
Barium	25	24.9	99.6	25	24.2	96.8	2.85	20	80-120	
Cadmium	25	25.5	102	25	24.6	98.4	3.59	20	80-120	
Chromium	25	25.8	103	25	25.5	102	1.17	20	80-120	
Lead	25	25.3	101	25	25.2	101	0.4	20	80-120	
Selenium	25	24.7	98.8	25	24.7	98.8	0	20	80-120	
Silver	25	25.0	100	25	25.0	100	0	20	80-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 08090435

Date : 9/26/2008

Analysis : TCLP BTEX & MTBE

Method : SW-846 8021B

Reporting Units : mg/L

QC Batch ID : Qb08092529

Created Date : 09/25/08

Created By : Hkhuc

Samples in This QC Batch : 08090435.01

Sample Preparation : PB08092526

Prep Method : SW-846 1311

Prep Date : 09/24/08 12:00 Prep By : Hkhuc

TCLP Prep : PB08092329

Prep Method : SW-846 1311

Prep Date : 09/23/08 16:30 Prep By : Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Benzene	71-43-2	BRL	mg/L	1	0.002	

QC Type: LCS and LCSD


Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Benzene	0.02	0.019	95	0.02	0.019	95	0	20	80-120	

QC Type: MS and MSD

QC Sample ID: 08090435.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Benzene		0.02	0.022	110						80-120	

Refer to the Definition page for terms.

 10100 East Fwy (I-10) Ste. 100 Houston, TX 77029 713-453-6060 1-877-478-6060 Toll Free 713-453-6091 Fax ablabs.com		1. REPORT TO:		2. INVOICE TO:		3. PO #	
		Company: CES ENVIRONMENTAL Address: 4904 GRIGGS ROAD HOUSTON, TX 77021 Contact: DAN BOWMAN Phone: (713) 676-1460 Fax: (713) 676-1676 E-mail: dbowman@cesenvironmental.com		Company: SAME Address: Contact: Phone: Fax: E-mail:		0908-43 4. Turnaround Time (Business Days) <input type="checkbox"/> 1 Day* <input type="checkbox"/> Other <input type="checkbox"/> 2 Days* <input checked="" type="checkbox"/> 3 Days* *Surcharge applies <input type="checkbox"/> 7 Days - Standard	
A&B JOB ID # 08090435		5. Project #		6. Project Name/Location		7. Reporting Requirement:	
				GOODMAN FURNACE, 12TH STREET		<input type="checkbox"/> TRRP Limits only <input type="checkbox"/> TRRP Rpt. Package <input type="checkbox"/> See Attached <input type="checkbox"/> Standard Level II	
8. Sampler's Name & Company (PLEASE PRINT)		8. Sampler's Signature & Date		13. Containers*		14. Preservatives**	
DURIM TAPIAS / CES ENVIRONMENTAL		9/25		16. PH-Lab Only		17. Analyses/Methods	
9. Sample ID and Description		10. Sampling		11. Matrix		18. REMARKS	
LAB USE ONLY 0908-43 ABSORBANT/OIL		Date: 9/23 Time: 8:30A Comp. Grab: X Water: Soil: Sludge: Oil: Air: Other:		No. of Containers X X		X X RLA METALS TCLA BENZENE	
19. RELINQUISHED BY		DATE		TIME		20. RECEIVED BY	
1. [Signature]		9/23		8:45A		21. RECEIVED BY LABORATORY	
2. [Signature]						09/23/08 8:45am	
3. [Signature]						22. KNOWN HAZARDS/COMMENTS	
*Containers: VOA - 40 ml vial A/G - Amber/Glass 1 Liter		**Preservatives: C - Cool H - HCl N - HNO ₃ S - H ₂ SO ₄		Temperature: 26.3 °C		Intact (Y or N) Initials: MP	
4 oz/8 oz - glass wide mouth P/O - Plastic/other		OH - NaOH T - Na ₂ S ₂ O ₃ X - Other		A&B cannot accept verbal changes Please FAX written changes to 713-453-6091		Samples will be disposed of after 30 days A&B reserves the right to return samples	
METHOD OF SHIPMENT		BILL OF LADING/TRACKING #		LAB USE ONLY SAMPLING RENTAL P/U			



Sample Condition Checklist

Date : 09/26/08

A&B JobID : 08090435		Date Received : 09/23/2008		Time Received : 8:45AM								
Client Name : CES Environmental												
Temperature : 26.3°C		Sample pH : N/A										
	Check Points				Yes	No						
1.	Cooler seal present and signed.				N/A							
2.	Sample(s) in a cooler.					X						
3.	If yes, ice in cooler.					X						
4.	Sample(s) received with chain-of-custody.				X							
5.	C-O-C signed and dated.				X							
6.	Sample(s) received with signed sample custody seal.				N/A							
7.	Sample containers arrived intact. (If no comment).				X							
8.	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Sample(s) were received in appropriate container(s).				X							
10.	Sample(s) were received with proper preservative											
11.	All samples were logged or labeled.				X							
12.	Sample ID labels match C-O-C ID's				X							
13.	Bottle count on C-O-C matches bottles found.				X							
14.	Sample volume is sufficient for analyses requested.				X							
15.	Samples were received within the hold time.				X							
16.	VOA vials completely filled.				N/A							
17.	Sample accepted.				X							
Comments : Include actions taken to resolve discrepancies/problem:												
Sample was received without a cooler nor ice.												

Received by : Mperalta		Check in by/date : Mperalta / 09/23/2008	
------------------------	--	--	--

Commercial Metals 1636
Profile # 1636

L. Aue



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 5/23/2008

Dear Robbie Preston

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1636

Expiration Date 6/21/2008

Generator: Commercial Metals

Address: 2015 Quitman
Houston, TX 77026

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Mill coolant and water from machine shop operations

Color: white/green

Odor: none

pH: 4-10

Physical State:

Incompatibilities: na

(Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001341

1636



4904 Griggs Road, Houston, TX 77021
 Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
 TCEQ Industrial Solid Waste Permit Number: 30948
 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Commercial Metals
 Address: 2015 Quitman
 City: Houston State: TX Zip: 77026
 Contact: George Root Title:
 Phone Number: 713.228.7411 Fax Number:
 24/hr Phone Number:
 US EPA ID No: TXCESQG
 State ID No: CESQG SIC Code: na

SECTION 2: Billing Information - ☐ Same as Above

Company: Preston Environmental
 Address: 10100 Chapel Hill drive
 City: Denham Springs State: LA Zip: 70727
 Contact: Robby Mersiovsky Title:
 Phone Number: 713.882.7740 Fax Number: 225.664.8655

SECTION 3: General Description of the Waste

Name of Waste: Oily Water
 Detailed Description of Process Generating Waste:
 Mill coolant and water from machine shop operations

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: white/green Odor: none

Specific Gravity (water=1): 1 Density: 8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 4

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
 Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number: Recycle

Proper US DOT Shipping Name:		Non RCRA Non DOT regulated material			
Class:	na	UN/NA:	na	PG :	na
				RQ:	na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>200		4-10		0 <u>mg/l</u>		0 <u>mg/l</u>		1-5 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	<u>mg/l</u>	na	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

none

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	x
TCLP Volatiles:	x
TCLP Semi-Volatiles:	x
Reactivity:	x
Corrosivity:	x
Ignitability:	x

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Robert Mersionsky AS AGENT for generator

Date:

5/12/08

Printed Name/Title:

Robert Mersionsky

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Date:

☐ Approved

☐ Rejected

Approval Number:

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory : Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory : Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory : Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/21/2006

Dear George Root

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1636

Generator: Commercial Metals
Address: 2015 Quitman
Houston, TX 77026

A handwritten signature, likely of Matt Bowman, is written in black ink. It consists of a large, stylized 'J' or 'G' shape with a horizontal line extending to the right.

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Mill coolant and water from machine shop operations

Color: white/green

Odor: none

pH: 4-10

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001347



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Commercial Metals
Address: 2015 Quitman
City, State, Zip: Houston, TX. 77026
Contact: GEORGE ROOT Title: Operations Manager
Phone No: 713-228-7411 Fax No: _____
24/hr Phone: _____
U.S. EPA I.D. No: CESQG
State I.D. CESQB SIC Code: NA

SECTION 2: Billing Information - ☐ Same as Above

Company: SELECT ENVIRONMENTAL
Address: 223 McCarty
City, State, Zip: Houston, TX. 77029
Contact: Robby Mersorsky Title: Sales Rep.
Phone No: 713-882-7740 Fax No: 713-672-7530

SECTION 3: General Description of the Waste

Name of Waste: Oily Water
Detailed Description of Process Generating Waste: Mill coolant & H₂O from Machine Shop operations

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: white/green Odor: NONE

Specific Gravity (water=1): 1 Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 6000 gal. _____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 2-4 Other: _____

Texas State Waste Code No: Not DOT Regulated CESQG / Not Applicable / Recyclable

Proper U.S. DOT Shipping Name: Not DOT Regulated

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point <u>2200</u>	pH <u>4-10</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>1-5</u> %
Oil & Grease <u>5-7</u> mg/l	TOC <u>NA</u> mg/l	Zinc <u>0</u> mg/l	Copper <u>0</u> mg/l	Nickel <u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
M.I. Coolant	5 %	
Water - (RAIN)	95 %	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒
TCLP Volatiles: ☒
TCLP Semi-Volatiles: ☒
Reactivity: ☒
Corrosivity: ☒
Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

AS AGENT for GENERATOR Date: 6/21/06

Printed Name/Title: Robert Mersiorsky

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Thayer

Additional Information: _____

Date: 6-21-06

☒ Approved

☐ Rejected

REC

Approval Number: 1636

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☒ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☒ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

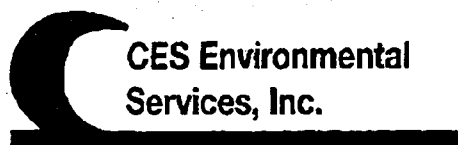
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1450
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1636

Customer: Preston Environmental

Waste Generator: Commercial Metals

Waste Stream Name: Oily Water

Expiration Date: 6/21/2008 ✓

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Robby Mersiousky
Customer Name

[Signature]
Signature

PEC/Comm. Metals
Company / Title

7/28/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

1635

Boeing Specialties
Profile # 1635

765

L. Am



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 5/23/2008

Dear Robbie Preston

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1635

Expiration Date 6/21/2007

Generator: Boring Specialties

Address: 14730 Yarberry
Houston, TX 77039

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Mill coolant, used oil, and rainwater from pipe threading operations

Color: grey

Odor: none

pH: 4-10

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001355

1635



4904 Griggs Road, Houston, TX 77021
 Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Boring Specialties
 Address: 14730 Yrberry
 City: Houston State: TX Zip: 77039
 Contact: Keith Crouch Title: Purchasing
 Phone Number: 281.449.0319 Fax Number: _____
 24/hr Phone Number: _____
 US EPA ID No: TXCESQG
 State ID No: CESQG SIC Code: NA

SECTION 2: Billing Information - ☐ Same as Above

Company: Preston Environmental
 Address: 10100 Chapel Hill drive
 City: Denham Springs State: LA Zip: 70727
 Contact: Robby Mersiovsky Title: _____
 Phone Number: 713.882.7740 Fax Number: 225.664.8655

SECTION 3: General Description of the Waste

Name of Waste: Oily water
 Detailed Description of Process Generating Waste: _____
Mill coolant, used oil, and rainwater from pipe threading operations

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Gray Odor: none

Specific Gravity (water=1): 1 Density: 7.8-8.3 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHA? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 4

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)

☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Recycle

Non- RCRA non DOT regulated material

Class:	na	UN/NA:	na	PG :	na	RQ:	na
---------------	----	---------------	----	-------------	----	------------	----

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>200		4-10		0 <u>mg/l</u>		0 <u>mg/l</u>		1-5 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	<u>mg/l</u>	na	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

none

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals: x

TCLP Volatiles: x

TCLP Semi-Volatiles: x

Reactivity: x

Corrosivity: x

Ignitability: x

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [Signature]

AS AGENT for generator

Date: 5/12/08

Printed Name/Title: Robert Mersionsky

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

☐ Approved

☐ Rejected

Approval Number: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

☐ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/21/2006

Dear **Keith Crouch**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1635

Generator: Boring Specialties
Address: 14730 Yarberry
Houston, TX 77039

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Mill coolant, used oil, and rainwater from pipe threading operations

Color: grey

Odor: none

pH: 4-10

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Boring Specialties
Address: 14730 Yarberry
City, State, Zip: Houston, TX 77039
Contact: Keith Crouch Title: Purchasing
Phone No: 281-449-0319 Fax No: _____
24/hr Phone: _____
U.S. EPA I.D. No: CESQG SIC Code: NA
State I.D. CESQG

SECTION 2: Billing Information - ☐ Same as Above

Company: Select Environmental
Address: 223 McCarty
City, State, Zip: Houston, TX 77029
Contact: Robby Mersiosky Title: Sales Rep
Phone No: 713-682-7740 Fax No: 713-672-4530

SECTION 3: General Description of the Waste

Name of Waste: Oil Water
Detailed Description of Process Generating Waste: Mil Coolant, Used Oil & Water from pipe threading operations.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Grey

Odor: NONE

Specific Gravity (water=1): ~1

Density: 7.8-8.3 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 6000 _____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 2-4 Other: _____

Texas State Waste Code No: _____

Proper U.S. DOT Shipping Name: _____

Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point <u>> 200°F</u>	pH <u>4-10</u>	Reactive Sulfides <input checked="" type="checkbox"/> mg/l	Reactive Cyanides <input checked="" type="checkbox"/> mg/l	Solids <u>1-5 %</u>
Oil & Grease <u>55% mg/l</u>	TOC <u>N/A mg/l</u>	Zinc <u>0 mg/l</u>	Copper <u>0 mg/l</u>	Nickel <u>0 mg/l</u>

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
MILL COOLANT	5%	
USED OILS	5%	
RAIN WATER	90%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [Signature] AS AGENT FOR GENERATOR Date: 6/21/06

Printed Name/Title: Robert Wersowsky

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: <u>Robert Wersowsky</u>	Additional Information: _____
Date: <u>6-21-06</u>	<u>Approved</u> Rejected _____
Approval Number: <u>1635</u>	<u>REC</u>

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

MR3



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: -1635

Customer: Preston Environmental

Waste Generator: Boring Specialties

Waste Stream Name: Oily Water

Expiration Date: 6/21/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Customer Name

Signature

Company / Title

Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Total P.002

EPAHO112001367

1601
M/C
Profile # 1601

L. Am

EPAHQ112001369

Antimicrobial Products
by



Inhibits the growth of damaging bacteria,
algae, mold, fungus and mildew.

PATENT PENDING by SilverCo

No. 10338

HASTINGS, MN





4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1601

Customer: MIC

Waste Generator: MIC

Waste Stream Name: Machne Coolant and Oil

Expiration Date: 5/31/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

MIC
Customer Name

[Signature]
Signature

Quality Assurance Eng.
Company / Title

4-23-08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 5/31/2006

Dear Bert Atkinson or Jim White

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1601

Generator: MIC

Address: 1801 Industrial
Brenham, TX 77833

Waste Information

Name of Waste: Machine Coolant and Oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Machine grinding process

Color: Brown / Bluish

Odor: Oil like

pH: neutral

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001371

MAY-23-2006 16:59

CES Environmental Service

713 676 1676 P.02

**CES Environmental
Services, Inc.**4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676<http://www.cesenvironmental.com>TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900**SECTION 1: Generator Information**

Company: MIC Group
Address: 1801 Industrial Blvd.
City, State, Zip: Brenham, TX 77833
Contact: Jim White / or Willie Brown Title: Manager Sr. Mfg. Engr.
Phone No: 979-836-4481 Maint. Mgr. Fax No: 979-830-0402
24/hr Phone: CES-713-676-1460
U.S. EPA I.D. No: NA
State I.D. 86944 SIC Code: NA

SECTION 2: Billing Information -- ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: Attn: Jim White Title: Sr. Mfg. Engr.
Phone No: 979-337-7029 Fax No: 979-830-0402
or 800-836-6696

SECTION 3: General Description of the Waste

Name of Waste: Machine Coolant and Oil

Detailed Description of Process Generating Waste: Machine grinding process

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Brown/Bluish

Odor: Oil like

Specific Gravity (water=1): .90-1.0

Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phaseContainer Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 3000 _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: NA-Recyclable Material

Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >150	pH neutral	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids <3%
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MAY-23-2006 16:59

CES Environmental Service

713 676 1676 P.03

Oil & Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l
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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Coolant/Water		60-90	%
Oil		10-40	%
Metal Fines	-	0-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D**SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

TOX Results**SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

Oxidizers**SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material tested are representative of all materials described by this document.

Authorized Signature: James N. WhiteDate: 05/26/2006Printed Name/Title: James N. White / Sr. Engineer**CES USE ONLY (DO NOT WRITE IN THIS SPACE)**Compliance Officer: Robert E. Hays

Additional Information: _____

Date: 6-1-06Approved REC

Rejected _____

Approval Number: 1601

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: 7136761676

Attn: Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#: 6050340

Client Sample ID: Coolant / Oil / Water

Extended ID: MIC Group

Sample Collect Date: 5/4/2006 @ 10:00:00 AM

Sample Type: Grab

Sample Receipt Date: 5/15/2006 @ 5:14:00 PM

Test Group / Method

TX, Total Organic Halides

Method: SW-846 9023

MDL

Result

Units

Analyst: AS

Date / Time

Total Halides

411

mg/kg

5/22/2006 / 12:50 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit



Holland D. Gilmore, Laboratory Director

Tuesday, May 23, 2006

Date

6050340

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

ANALYTE	MB mg/L	ORIG mg/L	DUP mg/L	RPD	STD %REC	LCS %REC	LCSD %REC	RPD
Fluoride	< 0.01	0.253	0.256	1.18	96.8	100	102	1.49
Chloride	< 0.02	202	202	0.00	98.0	101	104	2.78
Bromide	< 0.01	0.00	0.00	0.00	101	108	105	3.34

Key to QA Abbreviations

MS=Matrix Spike

MSD=Matrix Spike Duplicate

RPD=Relative Percent Deviation

MB=Method Blank

LCS=Laboratory Control Standard

CCV=Continuing Calibration Verification

CCB=Continuing Calibration Blank

Rec=Percent Recovery

Signature: 

Holland D. Gilmore / Laboratory Director

May 23, 2006

Mercury Environmental Services, Inc.

EPAHO112001375

[illegible]

G

Milstead Environmental
Profile # 1645-

1645

me

Make: Polar
Model: Tanker

225

Year: 1997

Date in Service: 4/26/04

Vin #: [REDACTED]

(b) (6)

Tire Size: 285/75R 24.5

License Plate: [REDACTED]

(b) (6)

(b) (6)

(b) (6)

(b) (6)

(b) (6)

J. Cur



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1645

Customer: Milstead Environmental

Waste Generator: Milstead Environmental

Waste Stream Name: Recyclable Used Oil

Expiration Date: 6/26/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number. (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Sandy Tennery
Customer Name

[Signature]
Signature

Milstead Enviro / Agmt. Manager
Company / Title

5/15/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

✓



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/27/2006

Dear James Wilson

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1645

Generator: Milstead Environmental

Address: 29707 W. Hawthorne
Spring, TX 77386

Waste Information

Name of Waste: Recyclable Used Oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Used oil from auto machine and auto body shop.

Color: varies

Odor: oily

pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Milstead Environmental
Address: 29707 W. Hawthorne
City, State, Zip: Spring, TX 77386
Contact: James Wilson Title: Manager
Phone No: 281-367-3535 Fax No: 281-419-4492
24/hr Phone: 713-303-5109
U.S. EPA I.D. No: TXR000064360
State I.D. 87723 SIC Code: N/A

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Used Oil

Detailed Description of Process Generating Waste: Used oil from auto mechanic and auto body shop.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Varies

Odor: oily

Specific Gravity (water=1): ~8

Density: 7-8 lbs/gal

Layers: ☒ Single-phase ☒ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 Gal

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1-80 Other: _____

Texas State Waste Code No: Recycled

Proper U.S. DOT Shipping Name: Recyclable Used Oil

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0.2%
Oil & Grease 900 mg/l	TOC Na mg/l	Zinc Na mg/l	Copper Na mg/l	Nickel Na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Oil	95	100	%
Water	0-5%		%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None Chlor - D-Test

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒ X
TCLP Volatiles: ☒ X
TCLP Semi-Volatiles: ☒ X
Reactivity: ☒ X
Corrosivity: ☒ X
Ignitability: ☒ X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A Date: 06/24/06

Printed Name/Title: No Signature Required

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: <u>Robbahu Phayana</u>	Additional Information: _____
Date: <u>6-26-06</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/> <u>REC</u>
Approval Number: <u>1645</u>	_____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

DB

EPAHO112001387

Milstead Environment/1646
Profile # 1646

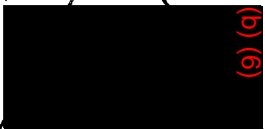
Make: Trail Master

Model: Tanker

Year: 1972

Date In Service: 4/8/04

Vin #:



Tire Size 285/75R 24.5

License -



~~Trail Master~~

224

H. Am



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1646

Customer: Milstead Environmental

Waste Generator: Milstead Environmental

Waste Stream Name: Recyclable Glycol and Water Mixture

Expiration Date: 6/26/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

SANDY TENNERY
Customer Name

[Signature]
Signature

Milstead Enviro Agent
Company / Title

5/15/08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Total P.003



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/27/2006

Dear **James Wilson**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1646

Generator: Milstead Environmental

Address: 29707 W. Hawthorne
Spring, TX 77386

Waste Information

Name of Waste: Recyclable Glycol and Water Mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Glycol and water mixture from radiators from auto machine and auto body shops.

Color: varies

Odor: glycol

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Milstead Environmental
Address: 29707 W. Hawthorne
City, State, Zip: Spring, TX 77386
Contact: James Wilson Title: Manager
Phone No: 281-367-3535 Fax No: 281-419-4492
24/hr Phone: 713-303-5109
U.S. EPA I.D. No: TXR000064360
State I.D. 87723 SIC Code: N/A

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Glycol and Water Mixture

Detailed Description of Process Generating Waste: Glycol and water mixture from radiators from auto mechanic and auto body shops.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Varies

Odor: Glycol

Specific Gravity (water=1): 1.08

Density: 7-8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 Gal

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1-80 Other: _____

Texas State Waste Code No: Recycled

Proper U.S. DOT Shipping Name: Recyclable Glycol and Water Mixture

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH <u>Na</u>	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids <u>0 %</u>
Oil & Grease Nmg/l	TOC Nmg/l	Zinc Nmg/l	Copper Nmg/l	Nickel Nmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Ethylene Glycol	40-50	%
Water	50-60	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A Date: 03/29/06

Printed Name/Title: No Signature Required

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rabban Bayan

Additional Information: _____

Date: 6-26-06 Approved Rejected

REC

Approval Number: 1646

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

DB

EPAHO112001397

Golden Opportunity Red ~~1650~~
Profile # 1650



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/28/2006

Dear Charles Olson

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1650

Generator: Golden Opportunity Recycling

Address: 6411 Cr 168
Alvin, TX 77511

Waste Information

Name of Waste: Recyclable Oil Filters

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oil filters from automobiles and equipment

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Golden Opportunity Recycling Service
Address: 6411 Cr. 168
City, State, Zip: Alvin, TX 77511
Contact: Charles Olson Title: President
Phone No: 281-331-9211 Fax No: Na
24/hr Phone: _____
U.S. EPA I.D. No: Na
State I.D. Na SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Oil Filters

Detailed Description of Process Generating Waste: Oil Filters from automobiles and equipment.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies

Odor: None

Specific Gravity (water=1): .5-1

Density: 6 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 G

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1-20 Other: _____

Texas State Waste Code No: _____ Recycled

Proper U.S. DOT Shipping Name: Recyclable Oil Filters

Class: Na UN/NA: Na PG: Na RQ: NA

Flash Point >200	pH Na	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 90 90
Oil & Grease >1000mg/l	TOC Na mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Oil Filters	90-99	%
Oil	1-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Signature not required Date: 06/26/06

Printed Name/Title: Charles Olson/President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rabheh Thapa

Additional Information: _____

Date: 6-28-06 Approved Rejected

Approval Number: 1650

REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☒ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L -

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1650

Customer: Golden Opportunity Recycling

Waste Generator: Golden Opportunity Recycling

Waste Stream Name: Recyclable Oil Filters

Expiration Date: 6/28/2008 ✓

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Robert Peterson
Customer Name

Robert Peterson
Signature

Golden Opportunity
Company / Title

10-16-08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

1651 Golden Opportunity
Recycling



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/28/2006

Dear Charles Olson

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1651

Generator: Golden Opportunity Recycling

Address: 6411 Cr 168
Alvin, TX 77511

Waste Information

Name of Waste: Recyclable Oily Rags

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oil rags from cleaning off hands and equipment.

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Golden Opportunity Recycling Service
Address: 6411 Cr. 168
City, State, Zip: Alvin, TX 77511
Contact: Charles Olson Title: _____
Phone No: 281-331-9211 Fax No: _____
24/hr Phone: _____
U.S. EPA I.D. No: Na
State I.D. Na SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Oily Rags

Detailed Description of Process Generating Waste: Oil rags from cleaning off hands and equipment.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies

Odor: None

Specific Gravity (water=1): .5-1

Density: 6 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 G

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1-20 Other: _____

Texas State Waste Code No: Recycled

Proper U.S. DOT Shipping Name: Recyclable Oily Rags

Class: Na UN/NA: Na PG: Na RQ: NA

Flash Point >200	pH Na	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 100% 100%
Oil&Grease >100mg/l	TOC Na mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Rags (Cloth)		90-99	%
Oil		1-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒ X
TCLP Volatiles: ☒ X
TCLP Semi-Volatiles: ☒ X
Reactivity: ☒ X
Corrosivity: ☒ X
Ignitability: ☒ X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Charley Olson

Date: 6/24/06

Printed Name/Title:

Charley OLSON

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Barbara Blagden

Additional Information:

Date:

6-28-06

Approved

Rejected

Approval Number:

1651

REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1651

Customer: Golden Opportunity Recycling

Waste Generator: Golden Opportunity Recycling

Waste Stream Name: Recyclable Oily Rags

Expiration Date: 6/28/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please submit results of the following tests.

Robert Peterson
Customer Name

Robert Peterson
Signature

golden opportunity
Company / Title

10-17-08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability



Hydrex Company LP (#1654)

Profile # 1654



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1480
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1654

Customer: Hydril Company LP (HTC)

Waste Generator: Hydril Company LP (HTC)

Waste Stream Name: Non-Haz Wastewater

Expiration Date: 6/29/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

Carmen Ortega
Customer Name

[Signature]
Signature

Environmental Specialist
Title

Hydril Company LP
Company



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 11/30/2006

Dear Lacy Rosson

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1654

Generator: Hydril Company LP (HTC)

Address: 3300 Sam Houston Pkwy E
Houston, TX 77032

Waste Information

Name of Waste: Non-Haz Wastewater

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Historic cleaning operations

Color: green

Odor: mild septic

pH: 4-11

Physical State:

Incompatibilities: None

Safety Related Data/Special Handling:

None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : HydriL Company LP (HTC)
Address : 3300 Sam Houston Pkwy E 3300 Sam Houston Pkwy E
City, State, Zip : Houston TX 77032
Contact : Lacy Rosson Title :
Phone No : (281) 449-2000 Fax : (281) 985-8871
24 / HR Phone :
U.S EPA I.D No : TXD981609027
State I.D : 31401 SIC Code 3533

SECTION 2: Billing Information

Company : HydriL Company LP (HTC)
Address : 3300 Sam Houston Pkwy E 3300 Sam Houston Pkwy E
City, State, Zip : Houston TX 77032
Contact : Lacy Rosson Title :
Phone No : (281) 449-2000 Fax : (281) 985-8871

SECTION 3: General Description of the Waste

Name of Waste : Non-Haz Wastewater

Detailed Description of Process Generating Waste:

Historic cleaning operations

Physical State : ☒ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : green Odor : mild septic

Specific Gravity (Water=1) : 1 Density : 8.5 lbs / gal

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size :

Number Of Units : 2

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Recyclable oily water

Class : na UN/NA : na PG : na RQ : na

Flash Point >150	pH 4-11	Reactive Sulfides <1 mg/l	Reactive Cyanides ND mg/l	Solids 2-20 %
Oil and Grease 100 mg/l	TOC ND mg/l	Zinc ND mg/l	Copper ND mg/l	Nickel ND mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
	Water	80-98	%
	Solids	2-20	%
	Oil	0-1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

See MES Lab# 6060600

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : No volatile materials are part of the generating process

TCLP Semi-Volatiles : No semi-volatile materials are part of the generating process

Reactivity : ☒

Corrosivity : ☒

Ignitability : ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 6/29/2006

Printed Name / Title : Lacy Rosson /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 6/29/2006

Status :

☒ Approved

☐ Rejected

Approval Number :

1654

Special Pricing / Analytical Info:

Recommended Treatment:

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☒ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☒ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

1654

SECTION 1: Generator Information

Company: Hydril Company LP (HTC)
Address: 3300 Sam Houston Pkwy E 3300 Sam Houston Pkwy E
City, State, Zip: Houston TX 77032
Contact: Ron Little KHCS Row Nimbati Title: HSE Manager
Phone No: (281) 985-3292 Fax: (281) 985-8871
24 / HR Phone: _____
U.S. EPA I.D. No: TXD981600027
State I.D.: 31401 SIC Code 3533

SECTION 2: Billing Information

Company: Hydril Company LP (HTC)
Address: 3300 Sam Houston Pkwy E 3300 Sam Houston Pkwy E
City, State, Zip: Houston TX 77032
Contact: Ron Little Title: _____
Phone No: (281) 985-3292 Fax: (281) 985-8871

SECTION 3: General Description of the Waste

Name of Waste: Non-Haz Wastewater

Detailed Description of the Process Generating Waste:

Historic cleaning operations

Physical State: ☒ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: green Odor: mild septic
Specific Gravity (Water=1): 1 Density: 8.5 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4913	4959	9511

Layers: ☐ Single-Phase ☒ Multi-Phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain) _____

Container Size: 5000

Number Of Units: 2

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

1

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(a) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Recyclable oily water

Class : na UN/NA : na PG : na RQ : na

Flash Point >150	pH 4-11	Reactive Sulfides <1 mg/l	Reactive Cyanides ND mg/l	Solids 2-20 %
Oil and Grease >100 mg/l	TOC ND mg/l	Zinc ND mg/l	Copper ND mg/l	Nickel ND mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Water		80-96	%
Solids		2-20	%
Oil		0-1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

See MES Lab# 6080600

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals :

X

TCLP Volatiles :

No volatile materials are part of the generating process

TCLP Semi-Volatiles :

No semi-volatile materials are part of the generating process

Reactivity :

X

Corrosivity : X
Ignitability : X

SECTION 8: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☒ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oil Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils sub category

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☒ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

6/4/08

6/26/2008

Printed Name / Title: Lacy Ross

15 Harrison Drive

Hickory, NC

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thangudu

Prabhakar Thangudu

Process Facility Information:

Profile amended on 12/4/06 from 00052051 to Recyclable Bring to CES for treatment & disposal. Charge \$0.14/gal in bulk & \$65/drum + \$60/hr trans + \$5C

Date: 8/18/2007

Status: Approved

Rejected

Approval Number: _____

1854

Golden Opportunity Rec ~~1656~~
Profile # 1656



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/29/2006

Dear Charles Olson

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1656

Generator: Golden Opportunity Recycling

Address: 6411 Cr 168
Alvin, TX 77511

Waste Information

Name of Waste: Oil and Absorbent

TCEQ Waste Code #: CESQ4091

Container Type:

Detailed Description of Process Generating Waste:

Oil and absorbent from absorbing oil around unused diesel and hydraulic oil filling station

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Golden Opportunity Recycling Service
Address: 6411 Cr. 168
City, State, Zip: Alvin, TX 77511
Contact: Charles Olson Title: President
Phone No: 281-331-9211 Fax No: Na
24/hr Phone:
U.S. EPA I.D. No: TXCESQ6
State I.D. CESRG SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Oil & absorbent
Detailed Description of Process Generating Waste: Oil and Absorbent from absorbing oil around unused diesel and hydraulic oil filling stations.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies

Odor: None

Specific Gravity (water=1): 1-1.5

Density: 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 G

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1-20 Other: _____

Texas State Waste Code No: CESR 4091

Proper U.S. DOT Shipping Name: Waste Absorbent & oil (Recycled)
Class: Na UN/NA: Na PG: Na RQ: NA

Flash Point >200	pH Na	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids > 80 %
Oil & Grease >1000mg/l	TOC Nanmg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Absorbent	90-99	%
Oil	1-10	%
Dirt and Dust	0-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

~~None~~ oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒
TCLP Volatiles: ☒
TCLP Semi-Volatiles: ☒
Reactivity: ☒
Corrosivity: ☒
Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Charley Olson

Date: 6/26/06

Printed Name/Title: Charley OLSON

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Ruthann Thayer

Additional Information: _____

Date: 6-28-06 Approved ☒ Rejected ☐

Approval Number: 1656

REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

- Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



GENERATOR NOTIFICATION FORM FOR RECYCLING HAZARDOUS OR INDUSTRIAL WASTE

Use this form to comply with requirements found in 30 TAC 335.6 to notify the TCEQ of hazardous or industrial solid waste stream recycling activities by your facility. This form is not appropriate for notification of wastes which you receive and recycle. Receivers should use Form TCEQ-0524.

TCEQ ID: ☒ ☒ ☒ ☒ ☒ COMPANY NAME: Golden Opportunity Recycling Service

1. If the material is already on your Notice of Registration (NOR), please indicate the Texas waste code below. If the material is not on your NOR, please add the waste code to your NOR. If you are a large Quantity Generator, please do this using STEERS - State of Texas Environmental Electronic Reporting System. Small quantity generators may either use STEERS or attach Form TCEQ 0002.

WASTE CODE: ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

2. Update NOR to reflect any on-site storage of the material to be recycled using either STEERS or Form TCEQ-0002. If the storage unit is already on your facility's NOR, indicate the unit sequence number and do not attach Form TCEQ-0002. If no storage occurs, skip to 3.

UNIT SEQUENCE NUMBER: ☐ ☐ ☐

3. DESCRIBE THE RECYCLING PROCESS

A. Will the material be recycled ☐ On-site? ☒ Off-site?

B. List on-site units(s) where waste is recycled: / / / , / / / , / / /

C. Describe the recycling method:

- | | | |
|--|--|--|
| <input type="checkbox"/> Solvent Recovery | <input type="checkbox"/> Feedstock/Ingredient | <input type="checkbox"/> Asphalt Batching |
| <input type="checkbox"/> Metals Recovery | <input type="checkbox"/> Compost* | <input type="checkbox"/> Alternate Daily Cover |
| <input type="checkbox"/> Oil Recovery* | <input type="checkbox"/> Smelting | <input type="checkbox"/> Soil Amendment* |
| <input type="checkbox"/> Energy Recovery* | <input type="checkbox"/> Fuel Blending* | <input type="checkbox"/> Fertilizer* |
| <input type="checkbox"/> Catalyst Recovery | <input type="checkbox"/> Other* | <input type="checkbox"/> Container Reconditioning* |
| <input type="checkbox"/> Acid Regeneration | <input checked="" type="checkbox"/> Road Base* | |

D. *Please provide detailed information: (Required for oil recovery, energy recovery, fuel blending, container reconditioning, feedstock/ingredient, compost, road base, soil amendment, fertilizer and other.) Oil & Absorbent Recycled into Road Base.

E. If the material is recycled off-site, please provide the following information:

Receiver's (Recycler's) Name: H P P
TCEQ ID (if registered): _____
Telephone Number: _____

Please note that deed recordation as outlined in Title 30 Texas Administrative Code (TAC) Section (§)335.5 is not required for the legitimate reuse/recycling of materials, even if land applied. For additional information on recycling, refer to 30 TAC §335.24 and/or Subchapter H.

Please sign each form submitted or you may submit a cover letter with an original signature. Enclose any other forms you may have completed as part of this notification. Please attach any supplemental information necessary to completely describe the recycling process.

Authorized Representative:

Name: Dan Bowman Telephone Number: 713-854-6150
Signature: Dan Bowman Date: 6/26/06

Return this form to: TCEQ I&H Waste Permits Section, Waste Permits Division, MC130, P.O. Box 13087, Austin, Texas 78711-3087.

FOR TCEQ USE ONLY

Acknowledgment of Recycling Notification

The TCEQ acknowledges the receipt of your notification pursuant to the requirements in 30 TAC §335.6. **Please note that this is not an approval of your recycling activity/ies.** The requirements for industrial and/or hazardous wastes which are recycled are found at Title 30 TAC Section §335.24. As a reminder, your facility is responsible for insuring that:

- The subject wastes(s) is/are managed in accordance with §335.4 (General Prohibitions) and §26.121 of the Texas Water Code; and
- Should any changes occur or additional information come to light concerning: (A) the composition of the waste(s), (B) the process by which the waste(s) is/are generated, (C) the manner in which the waste(s) is/are managed including recycling) or (D) any other information referenced in §335.6, this information is to be immediately provided to the TCEQ.

Your notification has been forwarded to the Industrial and Hazardous Waste Section of Record Services.

Signed: _____ Title: _____
Industrial and Hazardous Waste Permits Section, MC 130 • Waste Permits Div.
Phone (512) 239-6412 • Fax (512) 239-6383

PLEASE NOTE:

A copy of your recycling notification must also be sent to the TCEQ Regional Office listed below. If you have not sent a copy of this notification, you may do so by mailing this to:

TCEQ Region _____, Office of the Waste Program _____

TX _____

(Print your name, address, and ZIP Code in this box)



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1656

Customer: Golden Opportunity Recycling

Waste Generator: Golden Opportunity Recycling

Waste Stream Name: Oil and Absorbent - send to HPP

Expiration Date: 6/28/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.
Please submit results of the following tests.

Robert Peterson
Customer Name

Robert Peterson
Signature

Golden opportunity
Company / Title

10-17-08
Date

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability



Williams Brothers Constnct #1659
Profile # 1659

2147

Make: Clement

Model: Trailer [Roll off]

Year: 1998

Date In Service: 11/17/02

Vin #

(b) (6)

Tire Size: 11R22.5

License

(b) (6)

J. Ann

72
8-5-09
LAB
T-36



Smead®
UPC 10334
No. 2-153L
HASTINGS, MN



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/7/2006

Dear Marcus B. Anderson

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1659

Generator: Williams Brothers Construction

Address: HWY 59 South
Houston, TX

Waste Information

Name of Waste: Dirt contaminated with diesel and oil

TCEQ Waste Code #: CESQ4891

Container Type:

Detailed Description of Process Generating Waste:

Fuel leaked on ground from fuel dispensing unused diesel

Color: Dark

Odor: None

pH: 6-8

Physical State:

Incompatibilities: n/a

Safety Related Data/Special Handling:

n/a

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Williams Brothers Constructions
Address: South Main @ Kirby
City, State, Zip: TX
Contact: Mark Anderson Title:
Phone No: 713-522-9821 Fax No:
24/hr Phone: 281-541-4829
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: N/A

SECTION 2: Billing Information - ☐ Same as Above

Company: CKG Services
Address: 10707 Honea Egypt Rd
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title:
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Dirt Contaminated with Diesel & Oil

Detailed Description of Process Generating Waste: Fuel Leaked on Ground from Fuel Dispensing, unused Diesel

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Dark

Odor: None

Specific Gravity (water=1): ≥1

Density: 12 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: Box in
55Gal

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 6 Other: _____

Texas State Waste Code No: CESQ4891

Proper U.S. DOT Shipping Name: Non DOT Regulated

Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point N/D	pH 6-8	Reactive Sulfides N/Dmg/l	Reactive Cyanides N/Dmg/l	Solids 100%
Oil & Grease > (0.0 mg/l	TOC N/Amg/l	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Oil		2-5	%
Diesel		0-5-	%
Dirt		95-98	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals: N/A
TCLP Volatiles: N/A
TCLP Semi-Volatiles: N/A
Reactivity: N/A
Corrosivity: N/A
Ignitability: N/A

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material tested are representative of all materials described by this document.

Authorized Signature: Marcus B. Anderson Date: 6/9/06

Printed Name/Title: MARCUS B. ANDERSON ENVIRONMENTAL Director

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert H. Anderson

Additional Information: _____

Date: 7-5-06 Approved [Signature] Rejected _____

Approval Number: 1659

15

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.




August 3, 2007

RE: Williams Brothers

Dear Dan Bowman,

Please include various locations for Williams Brothers dirt contaminated with diesel & oil profile #1659. If you have any questions please give myself or Zac a call.

Thank you,


Traci Fisher



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1659

Customer: CKG Services Conroe

Waste Generator: Williams Brothers

Waste Stream Name: Dirt contaminated with diesel and oil

Expiration Date: 7/5/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please send new profile as waste stream has changed.

The following analysis is required for recertification. Please submit results of the following tests.

Zac McKaushan
Customer Name

Signature

Agent for Williams Brothers
Company / Title

2/2/09
Date

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

KMCO, INC. 1764
Profile# 1764





4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/17/2006

Dear Bill Glushko

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1764

Generator: KMCO, Inc.

Address: 16503 Ramsey Rd.
Crosby, TX 77532

Waste Information

Name of Waste: Recyclable recovered and slop oils

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Oils recovered from production of lube oils and additives.

Color: dark

Odor: hydrocarbon

pH: 4-11

Physical State:

Incompatibilities: oxidizers, strong acids, strong bases

Safety Related Data/Special Handling:

Gloves, safety glasses, hard hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: KMCO
Address: ~~KMCO~~ 16503 Ramsey Rd.
City, State, Zip: ~~TX~~ Crosby, TX 77532
Contact: Bill Glushko Title: Env. Mgr.
Phone No: 281-328-3501 Fax No: _____
24/hr Phone: 281-635-1114
U.S. EPA I.D. No: N/A
State I.D. N/A SIC Code: N/A

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Recovered and Slop Oils

Detailed Description of Process Generating Waste: Oils recovered from production of lube oils and additives

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark

Odor: hydrocarbon

Specific Gravity (water=1): .75 to .89

Density: 6.7 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 6000

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: _____ Not applicable - Product

Proper U.S. DOT Shipping Name: _____ not applicable

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point greater 200F	pH <u>4-11</u>	Reactive Sulfides <u>0</u> mg/l	Reactive Cyanides <u>0</u> mg/l	Solids <u>0.05 %</u> <u>190</u>
Oil & Grease <u>N/A</u> mg/l	TOC <u>N/A</u> mg/l	Zinc <u>N/A</u> mg/l	Copper <u>N/A</u> mg/l	Nickel <u>N/A</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Lube oils	65-85%	
Lube Oil Additives	5-20%	
water	2-10%	
viscosity improvers	2-10%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

____ Gloves, Safety glasses, Hand Hat

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

____ N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers, strong acids, strong bases

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: n/a

TCLP Volatiles: n/a

TCLP Semi-Volatiles: n/a

Reactivity: n/a

Corrosivity: n/a

Ignitability: n/a

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Not Required - Product Date: 8-17-06

Printed Name/Title: Not Applicable

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [Signature]
 Date: 1764 8-17-06 Approved Rejected
 Approval Number: Rae 1764

Additional Information: This material is
product to be purchased by CES.
Price to be paid will vary per
load. Price should be entered
in job comments for
each load

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

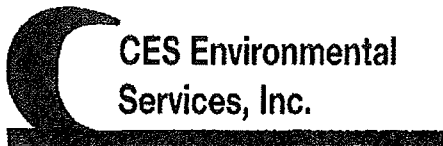
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: -1764

Customer: KMCO, Inc.

Waste Generator: KMCO, Inc.

Waste Stream Name: Recyclable recovered oil and slop oils

Expiration Date: 8/17/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

Please send new profile as waste stream has changed.

Customer Name

KMCO, L.P. / Glushko

Signature

[Signature]

Company / Title

KMCO / ENV MGR

Date

4/29/09

☐ Analysis is NOT required for recertification.

The following analysis is required for recertification. Please submit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

✓

Clean Coast 1696
Prof # 1696



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/25/2006

Dear **Ronnie Reeves**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1696

Generator: Clean Coast Technologies/ASCO

Address: 1755 Federal Road
Houston, TX 77015

Waste Information

Name of Waste: Rags and pads contaminated with pipeline and valve pressure t

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Rags and pads used to clean up material used to pressure test pipelines and valves on new and rebuilt equipment

Color: greenish blue and white **Odor:** glycol

pH: 8-10

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.


**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Clean Coast Technologies/ASCO
 Address: 1755 Federal Road
 City, State, Zip: Houston, TX 77015
 Contact: Ronnie Reeves Title: Project Manager
 Phone No: 713-378-0000 Cell: 281-924-0824 Fax No: 713-378-0404
 24/hr Phone: CES-713-676-1460
 U.S. EPA I.D. No: NA
 State I.D. NA SIC Code: NA

SECTION 2: Billing Information - ☐ Same as Above

Company: Clean Coast Technologies
 Address: 1041 Thomas Avenue
 City, State, Zip: Pasadena, TX 77506
 Contact: Ronnie Reeves Title: Project Manager
 Phone No: 713-378-0000 cell: 281-924-0824 Fax No: 713-378-0404

SECTION 3: General Description of the Waste

Name of Waste: Rags and Pads Contaminated with Pipeline and valve pressure test fluid

Detailed Description of Process Generating Waste: Rags and Pads used to clean up material used to pressure test pipelines and valves on new and rebuilt equipment

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Greenish Blue, white and Grey Odor: glycol

Specific Gravity (water=1): 1.3

Density: 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phaseContainer Type: ☐ Drum ☒ Tote ☐ Truck ☐ Other (explain)

Container Size: 250

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: NA-Recyclable Material

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >200	pH 8-10	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 95-100%
Oil & Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Glycol Contaminated Rags and Pads		95-98	%
Ethylene Glycol		2-5	%
Ethylene Glycol butyl ether		0-1	%
Water		1-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒ X
TCLP Volatiles: ☒ X
TCLP Semi-Volatiles: ☒ X
Reactivity: ☒ X
Corrosivity: ☒ X
Ignitability: ☒ X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rabban Ahmad

Additional Information: _____

Date: 7-25-06 ☒ Approved ☐ Rejected

REC

Approval Number: _____



223 N. Brockman - Pasadena, TX 77506
Telephone (713)472-5081 - FAX (713)472-2440

1	1	0	-
Health	Flammability	Reactivity	Other

(b) (4)

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(b) (4)



(b) (4)



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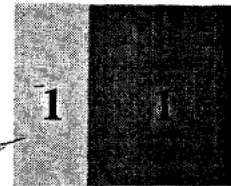


(b) (4)





223 N. Brockman - Pasadena, TX 77506
Telephone (713)472-5081 - FAX (713)472-2440



1 0 -
Health Flammability Reactivity Other

MATERIAL SAFETY DATA SHEET

(b) (4)

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(b) (4)



1691 T-3 Energy, Preferred Industries

3.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/25/2006

Dear Lance Robbins, Sean

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1691

Generator: T-3 Energy, Preferred Industries
Address: 14710 Cypress N. Houston Road
Cypress, TX 77429

Waste Information

Name of Waste: Sump sludge

TCEQ Waste Code #: CESQ6031

Container Type:

Detailed Description of Process Generating Waste:

Removal of oily sludge from cleaning rack sump, various metal parts are cleaned in this location before processing

Color: black

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO112001467



1691

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: T-3 Energy Services (Cypress)
Address: 14710 Cypress N. Houston Road
City, State, Zip: Cypress, TX 77429
Contact: Sean Doerflinger Title: Manager
Phone No: 832-237-0561 Cell: 713-261-2879 Fax No: 832-237-0546
24/hr Phone: CES- 713-676-1460
U.S. EPA ID No: ~~TX~~ CESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Sump Sludge

Detailed Description of Process Generating Waste: Removal of oily sludge from cleaning rack sump, various metal parts are cleaned in this location before processing

Physical State: ☐ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Black

Odor: Oil like

Specific Gravity (water=1): 1.5

Density: 12 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 gal.

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: CESQ6031

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >140	pH neutral	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 80-95%
Oil & Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Clay Absorbent	0-20	%
Oil and Grease	40-60	%
Dirt and soil	0-10	%
Water	20-30	%
Trash, debris etc.	0-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analysis of sump sludge that contains the same oil and coolant at higher percentages

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: _____

TCLP Volatiles: _____

TCLP Semi-Volatiles: X

Reactivity: _____

Corrosivity: _____

Ignitability: _____

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 7/21/06

Printed Name/Title: JOHN DERFLINGER QUEST MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Phang

Additional Information: _____

Date: 7-24-06

Approved ☒

Rejected ☐

OSL

Approval Number: 1691

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



**This PDF File was created for you as a
service of Severn Trent Laboratories**

**PRELIMINARY
REPORT**

STL – Houston 6310 Rothway Street Houston, TX. 77040 (713) 690-4444

ANALYTICAL REPORT

JOB NUMBER: 304654
Project ID: SUMP WASTE

Prepared For:

T3 Energy Services
7135 Ardmore
Houston, TX 77054

Attention: Ralph Castillo

Date: 10/28/2005

Signature

Name: Sean V. Sundquist

Title: Project Manager III

E-Mail: ssundquist@stl-inc.com

Date

Severn Trent Laboratories
6310 Rothway Drive
Houston, TX 77040

PHONE: 713-690-4444

SAMPLE INFORMATION
Date: 10/28/2005

Job Number.: 304654	Project Number.....: 99002917
Customer...: T3 Energy Services	Customer Project ID....: SUMP WASTE
Attn.....: Ralph Castillo	Project Description....: General Analytical

Job Number.: 304654	Project Number.....: 99002917
Customer...: T3 Energy Services	Customer Project ID....: SUMP WASTE
Attn.....: Ralph Castillo	Project Description....: General Analytical

[illegible]

Job Number: 304654

LABORATORY TEST RESULTS

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP1 T3-CYPRESS SUMP1

Date Sampled.....: 10/21/2005

Time Sampled.....: 09:15

Sample Matrix.....: Sludge

Laboratory Sample ID: 304654-1

Date Received.....: 10/22/2005

Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7.3	Reactivity, Cyanide, Soil	<10.0		10.0	mg/Kg	10/25/05	tw
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0		50.0	mg/Kg	10/25/05	tw
SW-846 9045C	Soil pH, Soil	7.20		0.01	pH Units	10/27/05	sur
ASTM D92-85	Flash & Fire Points (Cleveland Open Cup)						
	Ignitability (Flashpoint), Soil	>212			degrees F	10/26/05	rnc
SW-846 1311	TCLP Semi-Volatiles Analysis, Solid	Complete				10/24/05	ss
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete				10/24/08	ss
SW-846 6010B	Arsenic (As), TCLP	ND		0.100	mg/L	10/25/05	tw
SW-846 6010B	Barium (Ba), TCLP	2.45		0.100	mg/L	10/25/05	tw
SW-846 6010B	Cadmium (Cd), TCLP	0.421		0.100	mg/L	10/25/05	tw
SW-846 6010B	Chromium (Cr), TCLP	ND		0.100	mg/L	10/25/05	tw
SW-846 6010B	Lead (Pb), TCLP	0.206		0.100	mg/L	10/25/05	tw
SW-846 6010B	Selenium (Se), TCLP	ND		0.200	mg/L	10/25/05	tw
SW-846 6010B	Silver (Ag), TCLP	ND		0.100	mg/L	10/25/05	tw
SW-846 7470A	Mercury (Hg), TCLP	ND		1.00	ug/L	10/26/05	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete				10/25/05	drl
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP						
	Separatory Funnel Liq/Liq Extraction, TCLP	Complete				10/26/05	mra
SW-846 8270C	Semivolatile Organics						
	2,4-Dinitrotoluene, TCLP	ND		16.7	ug/L	10/27/05	acn
	Hexachlorobenzene, TCLP	ND		16.7	ug/L	10/27/05	acn
	Hexachlorobutadiene, TCLP	ND		16.7	ug/L	10/27/05	acn
	Hexachloroethane, TCLP	ND		16.7	ug/L	10/27/05	acn
	Nitrobenzene, TCLP	ND		16.7	ug/L	10/27/05	acn
	2-Methylphenol (o-Cresol), TCLP	ND		16.7	ug/L	10/27/05	acn
	4-Methylphenol (p-Cresol), TCLP	178		16.7	ug/L	10/27/05	acn
	Pentachlorophenol, TCLP	ND		83.4	ug/L	10/27/05	acn
	2,4,5-Trichlorophenol, TCLP	ND		16.7	ug/L	10/27/05	acn
	2,4,6-Trichlorophenol, TCLP	ND		16.7	ug/L	10/27/05	acn
	Pyridine, TCLP	ND		33.3	ug/L	10/27/05	acn
SW-846 8260B	Volatile Organics						
	Benzene, TCLP	ND		100	ug/L	10/26/05	yx1

* In Description = Dry Wgt.

Page 2

EPAHQ112001475

LABORATORY TEST RESULTS

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP1 T3-CYPRESS SUMP1

Laboratory Sample ID: 304654-1

Date Sampled.....: 10/21/2005

Date Received.....: 10/22/2005

Time Sampled.....: 09:15

Time Received.....: 08:10

Sample Matrix.....: Sludge

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Carbon Tetrachloride, TCLP	ND		100	ug/L	10/26/05	yx1
	Chlorobenzene, TCLP	ND		100	ug/L	10/26/05	yx1
	Chloroform, TCLP	ND		100	ug/L	10/26/05	yx1
	1,4-Dichlorobenzene, TCLP	ND		100	ug/L	10/26/05	yx1
	1,2-Dichloroethane, TCLP	ND		100	ug/L	10/26/05	yx1
	1,1-Dichloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Tetrachloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Trichloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Vinyl Chloride, TCLP	ND		200	ug/L	10/26/05	yx1
	Methyl Ethyl Ketone (2-Butanone), TCLP	ND		200	ug/L	10/26/05	yx1

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS							
Job Number: 304654		Date: 10/28/2005					
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE	ATTN: Ralph Castillo				
Customer Sample ID: SUMP2 T3-CYPRESS SUMP2 Date Sampled.....: 10/21/2005 Time Sampled.....: 09:18 Sample Matrix.....: Sludge		Laboratory Sample ID: 304654-2 Date Received.....: 10/22/2005 Time Received.....: 08:10					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7.3	Reactivity, Cyanide, Soil	<10.0		10.0	mg/Kg	10/25/05	tw
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0		50.0	mg/Kg	10/25/05	tw
SW-846 9045C	Soil pH, Soil	4.60		0.01	pH Units	10/27/05	sur
SW-846 1311	TCLP Semi-Volatiles Analysis, Solid	Complete				10/24/05	sso
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete				10/24/08	sso
SW-846 6010B	Arsenic (As), TCLP	ND		0.100	mg/L	10/25/05	twr
SW-846 6010B	Barium (Ba), TCLP	2.94		0.100	mg/L	10/25/05	twr
SW-846 6010B	Cadmium (Cd), TCLP	0.649		0.100	mg/L	10/25/05	twr
SW-846 6010B	Chromium (Cr), TCLP	ND		0.100	mg/L	10/25/05	twr
SW-846 6010B	Lead (Pb), TCLP	0.222		0.100	mg/L	10/25/05	twr
SW-846 6010B	Selenium (Se), TCLP	ND		0.200	mg/L	10/25/05	twr
SW-846 6010B	Silver (Ag), TCLP	ND		0.100	mg/L	10/25/05	twr
SW-846 7470A	Mercury (Hg), TCLP	ND		1.00	ug/L	10/26/05	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete				10/25/05	drl
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP Separatory Funnel Liq/Liq Extraction, TCLP	Complete				10/26/05	mra
SW-846 8270C	Semivolatile Organics						
	2,4-Dinitrotoluene, TCLP	ND		14.3	ug/L	10/27/05	acn
	Hexachlorobenzene, TCLP	ND		14.3	ug/L	10/27/05	acn
	Hexachlorobutadiene, TCLP	ND		14.3	ug/L	10/27/05	acn
	Hexachloroethane, TCLP	ND		14.3	ug/L	10/27/05	acn
	Nitrobenzene, TCLP	ND		14.3	ug/L	10/27/05	acn
	2-Methylphenol (o-Cresol), TCLP	ND		14.3	ug/L	10/27/05	acn
	4-Methylphenol (p-Cresol), TCLP	128		14.3	ug/L	10/27/05	acn
	Pentachlorophenol, TCLP	ND		71.4	ug/L	10/27/05	acn
	2,4,5-Trichlorophenol, TCLP	ND		14.3	ug/L	10/27/05	acn
	2,4,6-Trichlorophenol, TCLP	ND		14.3	ug/L	10/27/05	acn
	Pyridine, TCLP	ND		28.6	ug/L	10/27/05	acn
SW-846 8260B	Volatile Organics						
	Benzene, TCLP	ND		100	ug/L	10/26/05	yx1
	Carbon Tetrachloride, TCLP	ND		100	ug/L	10/26/05	yx1
	Chlorobenzene, TCLP	ND		100	ug/L	10/26/05	yx1

* In Description = Dry Wgt.

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Job Number: 304654

LABORATORY TEST RESULTS

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP2 T3-CYPRESS SUMP2

Date Sampled.....: 10/21/2005

Time Sampled.....: 09:18

Sample Matrix.....: Sludge

Laboratory Sample ID: 304654-2

Date Received.....: 10/22/2005

Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Chloroform, TCLP	ND		100	ug/L	10/26/05	yx1
	1,4-Dichlorobenzene, TCLP	ND		100	ug/L	10/26/05	yx1
	1,2-Dichloroethane, TCLP	ND		100	ug/L	10/26/05	yx1
	1,1-Dichloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Tetrachloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Trichloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Vinyl Chloride, TCLP	ND		200	ug/L	10/26/05	yx1
	Methyl Ethyl Ketone (2-Butanone), TCLP	ND		200	ug/L	10/26/05	yx1

* In Description = Dry Wgt.

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN: Ralph Castillo

Test Method.....: ASTM D92-85	Analyst....: mmc
Method Description.: Flash & Fire Points (Cleveland Open Cup) Units.....: degrees F	Test Code.: IGNEPC
Parameter.....: Ignitability (Flashpoint) Batch(s)....: 141164	

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
DU	304569-1		>212			>212	0.0	10.0		10/26/2005	1000

Test Method.....: SW-846 7.3	Analyst....: tws
Method Description.: Reactivity, Cyanide and Sulfide Units.....: mg/L	Test Code.: REACCN
Parameter.....: Reactivity, Cyanide Batch(s)....: 141038	

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
LCS	141038--21	WC3425A	75.18		1000		7.5	0.00-200.		10/25/2005	1200
MB	141038--21		0							10/25/2005	1200
DU	304569-1		0			0	0	10		10/25/2005	1200
MS	304569-1	WC3425A	73.24		1000	0	7	0-100		10/25/2005	1200

Test Method.....: SW-846 7.3	Analyst....: tws
Method Description.: Reactivity, Cyanide and Sulfide Units.....: mg/L	Test Code.: REACS
Parameter.....: Reactivity, Sulfide Batch(s)....: 141038	

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
LCS	141038--21	WCS36889	1010.2		1591.84		63.5	0.00-200.		10/25/2005	1200
MB	141038--21		0							10/25/2005	1200
DU	304569-1		0			0	0	50		10/25/2005	1200
MS	304569-1	WCS36889	438.78		1591.84	0	29	0-100		10/25/2005	1200

Test Method.....: SW-846 9045C	Analyst....: sur
Method Description.: Soil pH measured in water Units.....: pH Units	Test Code.: 9045B
Parameter.....: Soil pH Batch(s)....: 141268	

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
LCS	141268--21	WC3373	6.99		7.0		99.9	99.0-101.		10/27/2005	1645
CCV		WC3373	6.99		7.0		99.9	99.0-101.		10/27/2005	1645
CCV		WC3373	6.99		7.0		99.9	99.0-101.		10/27/2005	1645
DU	304800-1		7.35			7.36	0.1	1		10/27/2005	1645
DU	304511-1		7.38			7.37	0.1	1		10/27/2005	1645

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN: Ralph Castillo		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
Test Method.....: SW-846 7470A		Units.....: ug/L		Analyst....: dcl			
Method Description.: Mercury (CVAA)		Batch(s)....: 141110					
CCB	Continuing Calibration Blank				10/26/2005	1119	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		-0.0065387					
CCB	Continuing Calibration Blank				10/26/2005	1138	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01990520					
CCB	Continuing Calibration Blank				10/26/2005	1157	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01140038					
CCB	Continuing Calibration Blank				10/26/2005	1214	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01722202					
CCV	Continuing Calibration Verification	MSHGICV2			10/26/2005	1117	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.17469560		3.00		105.8 90.0-110.0	
CCV	Continuing Calibration Verification	MSHGICV2			10/26/2005	1136	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.18886165		3.00		106.3 90.0-110.0	
CCV	Continuing Calibration Verification	MSHGICV2			10/26/2005	1155	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.26886216		3.00		109.0 90.0-110.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005		
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN: Ralph Castillo			
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time		
CCV	Continuing Calibration Verification	MSHGICV2			10/26/2005	1212		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg)		3.25815088		3.00		108.6	90.0-110.0	
CRA	Contract Required Detection Limit	MSHGICV2			10/26/2005	1115		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg)		0.17804869		3.00		5.9	50.0-150.0	
EB	Extraction Blank		141085		10/26/2005	1125		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg)		-0.0219604						
EB	Extraction Blank		141085		10/26/2005	1127		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg)		0.01377787						
EB	Extraction Blank		141085		10/26/2005	1204		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg)		0.05285686						
ICB	Initial Calibration Blank				10/26/2005	1114		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg)		0.01722716						
ICV	Initial Calibration Verification	MSHGICV2			10/26/2005	1111		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg)		3.10705520		3.00		103.6	95.0-105.0	
ICS	Laboratory Control Sample	MSHGICV2	141085		10/26/2005	1123		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg)		3.22947618		3.00		107.6	90.0-110.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE				ATTN: Ralph Castillo	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
MD	Method Duplicate		304609-1		10/26/2005	1141	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), TCLP		0.01002880	0.00384602		0.00384602	0.00618278 0.20000000	
MD	Method Duplicate		304014-1		10/26/2005	1159	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), Water		1.16023996	-0.0667680		-0.0667680	1.22700796 0.20000000 C	
MS	Matrix Spike	MSHGICV2	304609-1		10/26/2005	1143	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), TCLP		2.85894292		3.00	0.00384602	95.2 75-125	
MS	Matrix Spike	MSHGICV2	304014-1		10/26/2005	1200	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), Water		1.30765961		3.00	-0.0667680	45.8 75-125 a	
MSD	Matrix Spike Duplicate	MSHGICV2	304609-1		10/26/2005	1145	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), TCLP		2.83310428	2.85894292	3.00	0.00384602	94.3 75-125 0.9 20	
MSD	Matrix Spike Duplicate	MSHGICV2	304014-1		10/26/2005	1202	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), Water		2.96998358	1.30765961	3.00	-0.0667680	101.2 75-125 75.4 20 a	
PB	Prep. Blank		141085		10/26/2005	1121	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01195031					

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005		
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:			
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time		
PDS	Post Digestion Spike	MSHGICV2	304609-1		10/26/2005	1208		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F		
Mercury (Hg), TCLP		3.77248505		3.00	0.00384602	125.6 75-125 A		
S0	Calibration Blank				10/26/2005	1057		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F		
Mercury (Hg)		0						
S0.2	Calibration Standard				10/26/2005	1059		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F		
Mercury (Hg)		0						
S0.5	Calibration Standard				10/26/2005	1101		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F		
Mercury (Hg)		0						
S1.0	Calibration Standard				10/26/2005	1103		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F		
Mercury (Hg)		0						
S10.0	Calibration Standard				10/26/2005	1109		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F		
Mercury (Hg)		0						
S2.0	Calibration Standard				10/26/2005	1104		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F		
Mercury (Hg)		0						
S5.0	Calibration Standard				10/26/2005	1107		
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F		
Mercury (Hg)		0						

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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SD	Serial Dilution		304609-1	5	10/26/2005	1210
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Mercury (Hg), TCLP	0.00946219			0.00384602			

Test Method.....: SW-846 6010B	Units.....: mg/L	Analyst....: twr
Method Description.: Metals Analysis (ICAP Trace)	Batch(s)....: 141053 141083	

CCB	Continuing Calibration Blank					10/25/2005	0907
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00223						
Barium (Ba)	-0.00011						
Cadmium (Cd)	0.00007						
Chromium (Cr)	-0.00048						
Lead (Pb)	-0.00103						
Selenium (Se)	0.00162						
Silver (Ag)	-0.00030						

CCB	Continuing Calibration Blank					10/25/2005	0956
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00283						
Barium (Ba)	0.00017						
Cadmium (Cd)	0.00037						
Chromium (Cr)	0.00312						
Lead (Pb)	-0.00237						
Selenium (Se)	0.00086						
Silver (Ag)	0.00265						

CCB	Continuing Calibration Blank					10/25/2005	1043
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00301						
Barium (Ba)	-0.00011						
Cadmium (Cd)	0.00038						
Chromium (Cr)	0.00055						
Lead (Pb)	-0.00187						
Selenium (Se)	-0.00171						
Silver (Ag)	0.00004						

CCB	Continuing Calibration Blank					10/25/2005	1304
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00179						
Barium (Ba)	-0.00024						
Cadmium (Cd)	0.00060						
Chromium (Cr)	0.00065						

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services			PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCB	Continuing Calibration Blank				10/25/2005	1304	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Lead (Pb)	-0.00192						
Selenium (Se)	0.00080						
Silver (Ag)	-0.00056						
CCB	Continuing Calibration Blank					10/25/2005	1510
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00271						
Barium (Ba)	-0.00006						
Cadmium (Cd)	0.00067						
Chromium (Cr)	0.00118						
Lead (Pb)	0.00000						
Selenium (Se)	0.00477						
Silver (Ag)	0.00001						
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	0903
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.49296		0.500		98.6	90.0-110.0	
Barium (Ba)	0.50222		0.500		100.4	90.0-110.0	
Cadmium (Cd)	0.50277		0.500		100.6	90.0-110.0	
Chromium (Cr)	0.51103		0.500		102.2	90.0-110.0	
Lead (Pb)	0.49848		0.500		99.7	90.0-110.0	
Selenium (Se)	0.49739		0.500		99.5	90.0-110.0	
Silver (Ag)	0.24853		0.25		99.4	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	0952
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.49038		0.500		98.1	90.0-110.0	
Barium (Ba)	0.49908		0.500		99.8	90.0-110.0	
Cadmium (Cd)	0.50302		0.500		100.6	90.0-110.0	
Chromium (Cr)	0.52313		0.500		104.6	90.0-110.0	
Lead (Pb)	0.49588		0.500		99.2	90.0-110.0	
Selenium (Se)	0.49453		0.500		98.9	90.0-110.0	
Silver (Ag)	0.24869		0.25		99.5	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1039
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.48543		0.500		97.1	90.0-110.0	
Barium (Ba)	0.49222		0.500		98.4	90.0-110.0	
Cadmium (Cd)	0.50664		0.500		101.3	90.0-110.0	
Chromium (Cr)	0.53195		0.500		106.4	90.0-110.0	
Lead (Pb)	0.50160		0.500		100.3	90.0-110.0	
Selenium (Se)	0.48874		0.500		97.7	90.0-110.0	

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1039	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Silver (Ag)	0.24771		0.25		99.1	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1300	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.48737		0.500		97.5	90.0-110.0	
Barium (Ba)	0.48475		0.500		97.0	90.0-110.0	
Cadmium (Cd)	0.50407		0.500		100.8	90.0-110.0	
Chromium (Cr)	0.52760		0.500		105.5	90.0-110.0	
Lead (Pb)	0.50045		0.500		100.1	90.0-110.0	
Selenium (Se)	0.48792		0.500		97.6	90.0-110.0	
Silver (Ag)	0.24702		0.25		98.8	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1506	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.51303		0.500		102.6	90.0-110.0	
Barium (Ba)	0.49876		0.500		99.8	90.0-110.0	
Cadmium (Cd)	0.53506		0.500		107.0	90.0-110.0	
Chromium (Cr)	0.52809		0.500		105.6	90.0-110.0	
Lead (Pb)	0.53097		0.500		106.2	90.0-110.0	
Selenium (Se)	0.50107		0.500		100.2	90.0-110.0	
Silver (Ag)	0.25197		0.25		100.8	90.0-110.0	
CH1	Calibration check standard 1	MS092605T1			10/25/2005	0847	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00750		0.0100		75.0	50.0-150.0	
Barium (Ba)	0.00863		0.0100		86.3	50.0-150.0	
Cadmium (Cd)	0.00510		0.00500		102.0	50.0-150.0	
Chromium (Cr)	0.01022		0.0100		102.2	50.0-150.0	
Lead (Pb)	0.00689		0.0100		68.9	50.0-150.0	
Selenium (Se)	0.00897		0.0100		89.7	50.0-150.0	
Silver (Ag)	0.00451		0.00500		90.2	50.0-150.0	
CH3	Standard check for ICAP	MS100505T3			10/25/2005	0835	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	1.99451		2.00		99.7	95.0-105.0	
Barium (Ba)	1.99566		2.00		99.8	95.0-105.0	
Cadmium (Cd)	1.00030		1.00		100.0	95.0-105.0	
Chromium (Cr)	2.01040		2.00		100.5	95.0-105.0	
Lead (Pb)	1.99881		2.00		99.9	95.0-105.0	
Selenium (Se)	1.99739		2.00		99.9	95.0-105.0	
Silver (Ag)	0.99918		1.00		99.9	95.0-105.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CRI	Contract Required Detection Limits	MS100505CR			10/25/2005	0851	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	
Arsenic (As)	0.01561		0.0200		78.0	50.0-150.0	
Cadmium (Cd)	0.01028		0.010		102.8	50.0-150.0	
Chromium (Cr)	0.02141		0.0200		107.0	50.0-150.0	
Lead (Pb)	0.00441		0.0060		73.5	50.0-150.0	
Selenium (Se)	0.01301		0.010		130.1	50.0-150.0	
Silver (Ag)	0.02042		0.0200		102.1	50.0-150.0	
EB	Extraction Blank		140987-1			10/25/2005 1434	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	
Arsenic (As)	0.00674						
Barium (Ba)	0.00501						
Cadmium (Cd)	0.00072						
Chromium (Cr)	0.00125						
Lead (Pb)	-0.00210						
Selenium (Se)	0.00488						
Silver (Ag)	-0.00011						
EB	Extraction Blank		140987-4			10/25/2005 1458	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	
Arsenic (As)	-0.00115						
Barium (Ba)	0.00941						
Cadmium (Cd)	0.00049						
Chromium (Cr)	0.00230						
Lead (Pb)	-0.00252						
Selenium (Se)	0.00122						
Silver (Ag)	0.00127						
ICB	Initial Calibration Blank					10/25/2005 0843	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	
Arsenic (As)	-0.00084						
Barium (Ba)	0.00018						
Cadmium (Cd)	0.00028						
Chromium (Cr)	0.00227						
Lead (Pb)	-0.00232						
Selenium (Se)	0.00012						
Silver (Ag)	0.00229						

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
ICV	Initial Calibration Verification	MS102005CC			10/25/2005	0839	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.49769		0.500		99.5	95.0-105.0	
Barium (Ba)	0.50439		0.500		100.9	95.0-105.0	
Cadmium (Cd)	0.50012		0.500		100.0	95.0-105.0	
Chromium (Cr)	0.50469		0.500		100.9	95.0-105.0	
Lead (Pb)	0.49552		0.500		99.1	95.0-105.0	
Selenium (Se)	0.50041		0.500		100.1	95.0-105.0	
Silver (Ag)	0.24687		0.25		98.7	95.0-105.0	
ISA	Interference Check Sample A	MS100505IA				10/25/2005	0855
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00278		0.0				
Barium (Ba)	0.00135		0.0				
Cadmium (Cd)	-0.00061		0.0				
Chromium (Cr)	0.00556		0.0				
Lead (Pb)	0.01106		0.0				
Selenium (Se)	0.02005		0.0				
Silver (Ag)	0.00019		0.0				
ISB	Interference Check Sample B	MS100505IB				10/25/2005	0859
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.97597		1.00		97.6	80.0-120.0	
Barium (Ba)	1.05638		1.00		105.6	80.0-120.0	
Cadmium (Cd)	0.49294		0.500		98.6	80.0-120.0	
Chromium (Cr)	1.06614		1.00		106.6	80.0-120.0	
Lead (Pb)	1.03349		1.00		103.3	80.0-120.0	
Selenium (Se)	0.98937		1.00		98.9	80.0-120.0	
Silver (Ag)	0.55617		0.500		111.2	80.0-120.0	
LCS	Laboratory Control Sample	MSPIKE3				10/25/2005	0917
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.95926		1.00		95.9	85.0-115.0	
Barium (Ba)	0.95173		1.00		95.2	85.0-115.0	
Cadmium (Cd)	0.48071		0.500		96.1	85.0-115.0	
Chromium (Cr)	0.98696		1.00		98.7	85.0-115.0	
Lead (Pb)	0.95710		1.00		95.7	85.0-115.0	
Selenium (Se)	0.97987		1.00		98.0	85.0-115.0	
Silver (Ag)	0.47844		0.500		95.7	85.0-115.0	

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	MSPIKE3	141005		10/25/2005	1430

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.98926		1.00		98.9	85.0-115.0	
Barium (Ba)	0.95112		1.00		95.1	85.0-115.0	
Cadmium (Cd)	0.51103		0.500		102.2	85.0-115.0	
Chromium (Cr)	1.03003		1.00		103.0	85.0-115.0	
Lead (Pb)	1.01742		1.00		101.7	85.0-115.0	
Selenium (Se)	0.97576		1.00		97.6	85.0-115.0	
Silver (Ag)	0.49256		0.500		98.5	85.0-115.0	

MD	Method Duplicate		304370-1			10/25/2005	1442
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.01068	0.01229		0.01229	0.00161	0.02000	
Barium (Ba), TCLP	0.86758	0.89316		0.89316	2.9	20	
Cadmium (Cd), TCLP	0.00058	0.00067		0.00067	0.00009	0.00500	
Chromium (Cr), TCLP	0.00352	0.00279		0.00279	0.00073	0.01000	
Lead (Pb), TCLP	0.00438	0.00335		0.00335	0.00103	0.01000	
Selenium (Se), TCLP	0.00548	0.00533		0.00533	0.00015	0.04000	
Silver (Ag), TCLP	-0.00028	0.00090		0.00090	0.00118	0.01000	

MS	Matrix Spike	MSPIKE3	304370-1			10/25/2005	1446
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.96968		1.00	0.01229	95.7	75-125	
Barium (Ba), TCLP	1.91303		1.00	0.89316	102.0	75-125	
Cadmium (Cd), TCLP	0.49898		0.500	0.00067	99.7	75-125	
Chromium (Cr), TCLP	1.08308		1.00	0.00279	108.0	75-125	
Lead (Pb), TCLP	1.04610		1.00	0.00335	104.3	75-125	
Selenium (Se), TCLP	0.98791		1.00	0.00533	98.3	75-125	
Silver (Ag), TCLP	0.54781		0.500	0.00090	109.4	75-125	

MSD	Matrix Spike Duplicate	MSPIKE3	304370-1			10/25/2005	1450
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.95362	0.96968	1.00	0.01229	94.1	75-125	
Barium (Ba), TCLP	1.88126	1.91303	1.00	0.89316	1.7	20	
Cadmium (Cd), TCLP	0.49228	0.49898	0.500	0.00067	98.8	75-125	
Chromium (Cr), TCLP	1.06925	1.08308	1.00	0.00279	3.2	20	
Lead (Pb), TCLP	1.03317	1.04610	1.00	0.00335	98.3	75-125	
Selenium (Se), TCLP	0.98172	0.98791	1.00	0.00533	1.4	20	
Silver (Ag), TCLP	0.54172	0.54781	0.500	0.00090	106.6	75-125	
					1.3	20	
					103.0	75-125	
					1.3	20	
					97.6	75-125	
					0.7	20	
					108.2	75-125	
					1.1	20	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE				ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
PB	Prep. Blank		141005		10/25/2005	1427	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Arsenic (As)		-0.00277					
Barium (Ba)		-0.00010					
Cadmium (Cd)		0.00097					
Chromium (Cr)		0.00171					
Lead (Pb)		-0.00073					
Selenium (Se)		0.00050					
Silver (Ag)		-0.00033					
S0	Calibration Blank					10/25/2005	0826
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Arsenic (As)		0.00387					
Barium (Ba)		0.00033					
Cadmium (Cd)		-0.01817					
Chromium (Cr)		-0.00020					
Lead (Pb)		0.00024					
Selenium (Se)		0.00023					
Silver (Ag)		-0.00719					
SD	Serial Dilution			304671-1		10/25/2005	1036
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Arsenic (As), Water		0.00210					
Barium (Ba), Water		0.01742					
Cadmium (Cd), Water		0.00052					
Chromium (Cr), Water		0.00197					
Lead (Pb), Water		-0.00182					
Selenium (Se), Water		0.00137					
Silver (Ag), Water		0.00079					
STD	Spiked Blank Duplicate					10/25/2005	0831
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Arsenic (As)		2.99436					
Barium (Ba)		0.60791					
Cadmium (Cd)		17.20330					
Chromium (Cr)		0.66129					
Silver (Ag)		0.55787					

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCB	Continuing Calibration Blank				10/25/2005	0907	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00223					
Barium (Ba)		-0.00011					
Cadmium (Cd)		0.00007					
Chromium (Cr)		-0.00048					
Lead (Pb)		-0.00103					
Selenium (Se)		0.00162					
Silver (Ag)		-0.00030					
CCB	Continuing Calibration Blank				10/25/2005	0956	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00283					
Barium (Ba)		0.00017					
Cadmium (Cd)		0.00037					
Chromium (Cr)		0.00312					
Lead (Pb)		-0.00237					
Selenium (Se)		0.00086					
Silver (Ag)		0.00265					
CCB	Continuing Calibration Blank				10/25/2005	1043	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00301					
Barium (Ba)		-0.00011					
Cadmium (Cd)		0.00038					
Chromium (Cr)		0.00055					
Lead (Pb)		-0.00187					
Selenium (Se)		-0.00171					
Silver (Ag)		0.00004					
CCB	Continuing Calibration Blank				10/25/2005	1304	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00179					
Barium (Ba)		-0.00024					
Cadmium (Cd)		0.00060					
Chromium (Cr)		0.00065					
Lead (Pb)		-0.00192					
Selenium (Se)		0.00080					
Silver (Ag)		-0.00056					

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

CCB	Continuing Calibration Blank				10/25/2005	1510
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00271						
Barium (Ba)	-0.00006						
Cadmium (Cd)	0.00067						
Chromium (Cr)	0.00118						
Lead (Pb)	0.00000						
Selenium (Se)	0.00477						
Silver (Ag)	0.00001						

CCB	Continuing Calibration Blank				10/25/2005	1625
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00362						
Barium (Ba)	0.00024						
Cadmium (Cd)	0.00048						
Chromium (Cr)	0.00055						
Lead (Pb)	-0.00230						
Selenium (Se)	0.00056						
Silver (Ag)	0.00160						

CCB	Continuing Calibration Blank				10/25/2005	1645
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00185						
Barium (Ba)	0.00015						
Cadmium (Cd)	0.00040						
Chromium (Cr)	0.00211						
Lead (Pb)	-0.00018						
Selenium (Se)	0.00290						
Silver (Ag)	0.00185						

CCB	Continuing Calibration Blank				10/25/2005	1732
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00271						
Barium (Ba)	-0.00007						
Cadmium (Cd)	0.00041						
Chromium (Cr)	0.00050						
Lead (Pb)	0.00084						
Selenium (Se)	0.00057						
Silver (Ag)	0.00086						

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CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				10/25/2005	1819

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00200						
Barium (Ba)	-0.00001						
Cadmium (Cd)	0.00032						
Chromium (Cr)	0.00144						
Lead (Pb)	-0.00007						
Selenium (Se)	0.00126						
Silver (Ag)	0.00049						

CCB	Continuing Calibration Blank					10/25/2005	1906
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00143						
Barium (Ba)	0.00020						
Cadmium (Cd)	0.00031						
Chromium (Cr)	0.00133						
Lead (Pb)	-0.00162						
Selenium (Se)	0.00302						
Silver (Ag)	0.00145						

CCB	Continuing Calibration Blank					10/25/2005	1926
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00029						
Barium (Ba)	-0.00001						
Cadmium (Cd)	0.00041						
Chromium (Cr)	0.00176						
Lead (Pb)	0.00040						
Selenium (Se)	0.00116						
Silver (Ag)	-0.00026						

CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	0903
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.49296		0.500		98.6	90.0-110.0	
Barium (Ba)	0.50222		0.500		100.4	90.0-110.0	
Cadmium (Cd)	0.50277		0.500		100.6	90.0-110.0	
Chromium (Cr)	0.51103		0.500		102.2	90.0-110.0	
Lead (Pb)	0.49848		0.500		99.7	90.0-110.0	
Selenium (Se)	0.49739		0.500		99.5	90.0-110.0	
Silver (Ag)	0.24853		0.25		99.4	90.0-110.0	

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services			PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	0952	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.49038		0.500		98.1	90.0-110.0	
Barium (Ba)	0.49908		0.500		99.8	90.0-110.0	
Cadmium (Cd)	0.50302		0.500		100.6	90.0-110.0	
Chromium (Cr)	0.52313		0.500		104.6	90.0-110.0	
Lead (Pb)	0.49588		0.500		99.2	90.0-110.0	
Selenium (Se)	0.49453		0.500		98.9	90.0-110.0	
Silver (Ag)	0.24869		0.25		99.5	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1039	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.48543		0.500		97.1	90.0-110.0	
Barium (Ba)	0.49222		0.500		98.4	90.0-110.0	
Cadmium (Cd)	0.50664		0.500		101.3	90.0-110.0	
Chromium (Cr)	0.53195		0.500		106.4	90.0-110.0	
Lead (Pb)	0.50160		0.500		100.3	90.0-110.0	
Selenium (Se)	0.48874		0.500		97.7	90.0-110.0	
Silver (Ag)	0.24771		0.25		99.1	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1300	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.48737		0.500		97.5	90.0-110.0	
Barium (Ba)	0.48475		0.500		97.0	90.0-110.0	
Cadmium (Cd)	0.50407		0.500		100.8	90.0-110.0	
Chromium (Cr)	0.52760		0.500		105.5	90.0-110.0	
Lead (Pb)	0.50045		0.500		100.1	90.0-110.0	
Selenium (Se)	0.48792		0.500		97.6	90.0-110.0	
Silver (Ag)	0.24702		0.25		98.8	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1506	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.51303		0.500		102.6	90.0-110.0	
Barium (Ba)	0.49876		0.500		99.8	90.0-110.0	
Cadmium (Cd)	0.53506		0.500		107.0	90.0-110.0	
Chromium (Cr)	0.52809		0.500		105.6	90.0-110.0	
Lead (Pb)	0.53097		0.500		106.2	90.0-110.0	
Selenium (Se)	0.50107		0.500		100.2	90.0-110.0	
Silver (Ag)	0.25197		0.25		100.8	90.0-110.0	

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1621	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.51428		0.500		102.9	90.0-110.0	
Barium (Ba)	0.51509		0.500		103.0	90.0-110.0	
Cadmium (Cd)	0.53489		0.500		107.0	90.0-110.0	
Chromium (Cr)	0.52521		0.500		105.0	90.0-110.0	
Lead (Pb)	0.53244		0.500		106.5	90.0-110.0	
Selenium (Se)	0.51055		0.500		102.1	90.0-110.0	
Silver (Ag)	0.25417		0.25		101.7	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1641
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.51817		0.500		103.6	90.0-110.0	
Barium (Ba)	0.51199		0.500		102.4	90.0-110.0	
Cadmium (Cd)	0.53952		0.500		107.9	90.0-110.0	
Chromium (Cr)	0.52169		0.500		104.3	90.0-110.0	
Lead (Pb)	0.53673		0.500		107.3	90.0-110.0	
Selenium (Se)	0.50975		0.500		102.0	90.0-110.0	
Silver (Ag)	0.25318		0.25		101.3	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1728
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.52138		0.500		104.3	90.0-110.0	
Barium (Ba)	0.52447		0.500		104.9	90.0-110.0	
Cadmium (Cd)	0.54226		0.500		108.5	90.0-110.0	
Chromium (Cr)	0.52246		0.500		104.5	90.0-110.0	
Lead (Pb)	0.53805		0.500		107.6	90.0-110.0	
Selenium (Se)	0.51251		0.500		102.5	90.0-110.0	
Silver (Ag)	0.25449		0.25		101.8	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1815
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.52060		0.500		104.1	90.0-110.0	
Barium (Ba)	0.52473		0.500		104.9	90.0-110.0	
Cadmium (Cd)	0.54239		0.500		108.5	90.0-110.0	
Chromium (Cr)	0.52131		0.500		104.3	90.0-110.0	
Lead (Pb)	0.53813		0.500		107.6	90.0-110.0	
Selenium (Se)	0.51538		0.500		103.1	90.0-110.0	
Silver (Ag)	0.25525		0.25		102.1	90.0-110.0	

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1902	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.52541		0.500		105.1	90.0-110.0	
Barium (Ba)	0.52567		0.500		105.1	90.0-110.0	
Cadmium (Cd)	0.54530		0.500		109.1	90.0-110.0	
Chromium (Cr)	0.52039		0.500		104.1	90.0-110.0	
Lead (Pb)	0.53931		0.500		107.9	90.0-110.0	
Selenium (Se)	0.51842		0.500		103.7	90.0-110.0	
Silver (Ag)	0.25556		0.25		102.2	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1922	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.52433		0.500		104.9	90.0-110.0	
Barium (Ba)	0.52698		0.500		105.4	90.0-110.0	
Cadmium (Cd)	0.54667		0.500		109.3	90.0-110.0	
Chromium (Cr)	0.51999		0.500		104.0	90.0-110.0	
Lead (Pb)	0.54053		0.500		108.1	90.0-110.0	
Selenium (Se)	0.51724		0.500		103.4	90.0-110.0	
Silver (Ag)	0.25572		0.25		102.3	90.0-110.0	
CH1	Calibration check standard 1	MS092605T1			10/25/2005	0847	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00750		0.0100		75.0	50.0-150.0	
Barium (Ba)	0.00863		0.0100		86.3	50.0-150.0	
Cadmium (Cd)	0.00510		0.00500		102.0	50.0-150.0	
Chromium (Cr)	0.01022		0.0100		102.2	50.0-150.0	
Lead (Pb)	0.00689		0.0100		68.9	50.0-150.0	
Selenium (Se)	0.00897		0.0100		89.7	50.0-150.0	
Silver (Ag)	0.00451		0.00500		90.2	50.0-150.0	
CH3	Standard check for ICAP	MS100505T3			10/25/2005	0835	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	1.99451		2.00		99.7	95.0-105.0	
Barium (Ba)	1.99566		2.00		99.8	95.0-105.0	
Cadmium (Cd)	1.00030		1.00		100.0	95.0-105.0	
Chromium (Cr)	2.01040		2.00		100.5	95.0-105.0	
Lead (Pb)	1.99881		2.00		99.9	95.0-105.0	
Selenium (Se)	1.99739		2.00		99.9	95.0-105.0	
Silver (Ag)	0.99918		1.00		99.9	95.0-105.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CRI	Contract Required Detection Limits	MS100505CR			10/25/2005	0851	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	0.01561		0.0200		78.0	50.0-150.0	
Cadmium (Cd)	0.01028		0.010		102.8	50.0-150.0	
Chromium (Cr)	0.02141		0.0200		107.0	50.0-150.0	
Lead (Pb)	0.00441		0.0060		73.5	50.0-150.0	
Selenium (Se)	0.01301		0.010		130.1	50.0-150.0	
Silver (Ag)	0.02042		0.0200		102.1	50.0-150.0	
CRI	Contract Required Detection Limits	MS100505CR			10/25/2005	1910	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	0.01798		0.0200		89.9	50.0-150.0	
Cadmium (Cd)	0.01130		0.010		113.0	50.0-150.0	
Chromium (Cr)	0.02111		0.0200		105.5	50.0-150.0	
Lead (Pb)	0.00411		0.0060		68.5	50.0-150.0	
Selenium (Se)	0.00977		0.010		97.7	50.0-150.0	
Silver (Ag)	0.02059		0.0200		103.0	50.0-150.0	
EB	Extraction Blank		141005		10/25/2005	1434	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	0.00674						
Barium (Ba)	0.00501						
Cadmium (Cd)	0.00072						
Chromium (Cr)	0.00125						
Lead (Pb)	-0.00210						
Selenium (Se)	0.00488						
Silver (Ag)	-0.00011						
ICB	Initial Calibration Blank				10/25/2005	0843	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	-0.00084						
Barium (Ba)	0.00018						
Cadmium (Cd)	0.00028						
Chromium (Cr)	0.00227						
Lead (Pb)	-0.00232						
Selenium (Se)	0.00012						
Silver (Ag)	0.00229						
ICV	Initial Calibration Verification	MS102005CC			10/25/2005	0839	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	0.49769		0.500		99.5	95.0-105.0	
Barium (Ba)	0.50439		0.500		100.9	95.0-105.0	
Cadmium (Cd)	0.50012		0.500		100.0	95.0-105.0	
Chromium (Cr)	0.50469		0.500		100.9	95.0-105.0	

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005		
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
ICV	Initial Calibration Verification	MS102005CC			10/25/2005	0839	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Lead (Pb)	0.49552		0.500		99.1	95.0-105.0	
Selenium (Se)	0.50041		0.500		100.1	95.0-105.0	
Silver (Ag)	0.24687		0.25		98.7	95.0-105.0	
ISA	Interference Check Sample A	MS100505IA			10/25/2005	0855	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	-0.00278		0.0				
Barium (Ba)	0.00135		0.0				
Cadmium (Cd)	-0.00061		0.0				
Chromium (Cr)	0.00556		0.0				
Lead (Pb)	0.01106		0.0				
Selenium (Se)	0.02005		0.0				
Silver (Ag)	0.00019		0.0				
ISA	Interference Check Sample A	MS100505IA			10/25/2005	1914	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	0.00048		0.0				
Barium (Ba)	0.00165		0.0				
Cadmium (Cd)	0.00177		0.0				
Chromium (Cr)	0.00581		0.0				
Lead (Pb)	0.00241		0.0				
Selenium (Se)	0.00783		0.0				
Silver (Ag)	0.00143		0.0				
ISB	Interference Check Sample B	MS100505IB			10/25/2005	0859	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	0.97597		1.00		97.6	80.0-120.0	
Barium (Ba)	1.05638		1.00		105.6	80.0-120.0	
Cadmium (Cd)	0.49294		0.500		98.6	80.0-120.0	
Chromium (Cr)	1.06614		1.00		106.6	80.0-120.0	
Lead (Pb)	1.03349		1.00		103.3	80.0-120.0	
Selenium (Se)	0.98937		1.00		98.9	80.0-120.0	
Silver (Ag)	0.55617		0.500		111.2	80.0-120.0	
ISB	Interference Check Sample B	MS100505IB			10/25/2005	1918	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	1.05031		1.00		105.0	80.0-120.0	
Barium (Ba)	1.11484		1.00		111.5	80.0-120.0	
Cadmium (Cd)	0.54183		0.500		108.4	80.0-120.0	
Chromium (Cr)	1.09223		1.00		109.2	80.0-120.0	
Lead (Pb)	1.11897		1.00		111.9	80.0-120.0	
Selenium (Se)	1.03900		1.00		103.9	80.0-120.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
ISB	Interference Check Sample B	MS100505IB			10/25/2005	1918	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Silver (Ag)		0.57619		0.500		115.2 80.0-120.0	
LCS	Laboratory Control Sample	MSPIKE3	141005			10/25/2005 1430	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		0.98926		1.00		98.9 85.0-115.0	
Barium (Ba)		0.95112		1.00		95.1 85.0-115.0	
Cadmium (Cd)		0.51103		0.500		102.2 85.0-115.0	
Chromium (Cr)		1.03003		1.00		103.0 85.0-115.0	
Lead (Pb)		1.01742		1.00		101.7 85.0-115.0	
Selenium (Se)		0.97576		1.00		97.6 85.0-115.0	
Silver (Ag)		0.49256		0.500		98.5 85.0-115.0	
MD	Method Duplicate		304370-1			10/25/2005 1442	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As), TCLP		0.01068	0.01229		0.01229	0.00161 0.02000	
Barium (Ba), TCLP		0.86758	0.89316		0.89316	2.9 20	
Cadmium (Cd), TCLP		0.00058	0.00067		0.00067	0.00009 0.00500	
Chromium (Cr), TCLP		0.00352	0.00279		0.00279	0.00073 0.01000	
Lead (Pb), TCLP		0.00438	0.00335		0.00335	0.00103 0.01000	
Selenium (Se), TCLP		0.00548	0.00533		0.00533	0.00015 0.04000	
Silver (Ag), TCLP		-0.00028	0.00090		0.00090	0.00118 0.01000	
MD	Method Duplicate		304673-1			10/25/2005 1610	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As), TCLP		0.06878	0.06697		0.06697	0.00181 0.02000	
Barium (Ba), TCLP		1.00290	1.01573		1.01573	1.3 20	
Cadmium (Cd), TCLP		0.00503	0.00490		0.00490	0.00013 0.00500	
Chromium (Cr), TCLP		0.01920	0.01939		0.01939	0.00019 0.01000	
Lead (Pb), TCLP		5.47464	5.40316		5.40316	1.3 20	
Selenium (Se), TCLP		0.01015	0.00997		0.00997	0.00018 0.04000	
Silver (Ag), TCLP		0.00103	0.00099		0.00099	0.00004 0.01000	
MS	Matrix Spike	MSPIKE3	304370-1			10/25/2005 1446	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As), TCLP		0.96968		1.00	0.01229	95.7 75-125	
Barium (Ba), TCLP		1.91303		1.00	0.89316	102.0 75-125	
Cadmium (Cd), TCLP		0.49898		0.500	0.00067	99.7 75-125	
Chromium (Cr), TCLP		1.08308		1.00	0.00279	108.0 75-125	
Lead (Pb), TCLP		1.04610		1.00	0.00335	104.3 75-125	
Selenium (Se), TCLP		0.98791		1.00	0.00533	98.3 75-125	
Silver (Ag), TCLP		0.54781		0.500	0.00090	109.4 75-125	

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSPIKE3	304673-1		10/25/2005	1614

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	1.04510		1.00	0.06697	97.8	75-125	
Barium (Ba), TCLP	2.03002		1.00	1.01573	101.4	75-125	
Cadmium (Cd), TCLP	0.51367		0.500	0.00490	101.8	75-125	
Chromium (Cr), TCLP	1.09643		1.00	0.01939	107.7	75-125	
Lead (Pb), TCLP	6.37642		1.00	5.40316	97.3	75-125	
Selenium (Se), TCLP	1.02479		1.00	0.00997	101.5	75-125	
Silver (Ag), TCLP	0.55038		0.500	0.00099	109.9	75-125	

MSD	Matrix Spike Duplicate	MSPIKE3	304370-1			10/25/2005	1450
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.95362	0.96968	1.00	0.01229	94.1	75-125	
					1.7	20	
Barium (Ba), TCLP	1.88126	1.91303	1.00	0.89316	98.8	75-125	
					3.2	20	
Cadmium (Cd), TCLP	0.49228	0.49898	0.500	0.00067	98.3	75-125	
					1.4	20	
Chromium (Cr), TCLP	1.06925	1.08308	1.00	0.00279	106.6	75-125	
					1.3	20	
Lead (Pb), TCLP	1.03317	1.04610	1.00	0.00335	103.0	75-125	
					1.3	20	
Selenium (Se), TCLP	0.98172	0.98791	1.00	0.00533	97.6	75-125	
					0.7	20	
Silver (Ag), TCLP	0.54172	0.54781	0.500	0.00090	108.2	75-125	
					1.1	20	

MSD	Matrix Spike Duplicate	MSPIKE3	304673-1			10/25/2005	1618
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	1.08177	1.04510	1.00	0.06697	101.5	75-125	
					3.7	20	
Barium (Ba), TCLP	2.10885	2.03002	1.00	1.01573	109.3	75-125	
					7.5	20	
Cadmium (Cd), TCLP	0.53193	0.51367	0.500	0.00490	105.4	75-125	
					3.5	20	
Chromium (Cr), TCLP	1.13514	1.09643	1.00	0.01939	111.6	75-125	
					3.6	20	
Lead (Pb), TCLP	6.69589	6.37642	1.00	5.40316	129.3	75-125	
					28.2	20	
Selenium (Se), TCLP	1.05407	1.02479	1.00	0.00997	104.4	75-125	
					2.8	20	
Silver (Ag), TCLP	0.56137	0.55038	0.500	0.00099	112.1	75-125	
					2.0	20	

QUALITY CONTROL RESULTS					
Job Number.: 304654			Report Date.: 10/28/2005		
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
PB	Prep. Blank		141005		10/25/2005 1427

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00277						
Barium (Ba)	-0.00010						
Cadmium (Cd)	0.00097						
Chromium (Cr)	0.00171						
Lead (Pb)	-0.00073						
Selenium (Se)	0.00050						
Silver (Ag)	-0.00033						

PDS	Post Digestion Spike	MSPIKE3	304370-1			10/25/2005 1633	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.97866		1.00	0.01229	96.6	75-125	
Barium (Ba), TCLP	1.96507		1.00	0.89316	107.2	75-125	
Cadmium (Cd), TCLP	0.50361		0.500	0.00067	100.6	75-125	
Chromium (Cr), TCLP	1.06812		1.00	0.00279	106.5	75-125	
Lead (Pb), TCLP	1.05694		1.00	0.00335	105.4	75-125	
Selenium (Se), TCLP	1.00850		1.00	0.00533	100.3	75-125	
Silver (Ag), TCLP	0.54969		0.500	0.00090	109.8	75-125	

S0	Calibration Blank					10/25/2005 0826	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00387						
Barium (Ba)	0.00033						
Cadmium (Cd)	-0.01817						
Chromium (Cr)	-0.00020						
Lead (Pb)	0.00024						
Selenium (Se)	0.00023						
Silver (Ag)	-0.00719						

SD	Serial Dilution		304370-1	5		10/25/2005 1637	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.00166			0.01229	32.5		
Barium (Ba), TCLP	0.20259			0.89316	13.4	10.0	e
Cadmium (Cd), TCLP	0.00073			0.00067	444.8		
Chromium (Cr), TCLP	0.00166			0.00279	197.5		
Lead (Pb), TCLP	0.00185			0.00335	176.1		
Selenium (Se), TCLP	0.00550			0.00533	415.9		
Silver (Ag), TCLP	0.00081			0.00090			

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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STD	Spiked Blank Duplicate				10/25/2005	0831
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	2.99436						
Barium (Ba)	0.60791						
Cadmium (Cd)	17.20330						
Chromium (Cr)	0.66129						
Silver (Ag)	0.55787						

Test Method.....: SW-846 8270C	Units.....: ug/L	Analyst....: acn
Method Description.: Semivolatile Organics	Batch(s)....: 141227 141275	

LCS	Laboratory Control Sample	SVS101405M	141127		10/27/2005	0958
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	104.925		100.0		104.9	56-105	
Hexachlorobenzene, TCLP	96.8503		100.0		96.9	54-157	
Hexachlorobutadiene, TCLP	104.350		100.0		104.3	24-123	
Hexachloroethane, TCLP	86.7255		100.0		86.7	36-114	
Nitrobenzene, TCLP	97.1624		100.0		97.2	42-124	
2-Methylphenol (o-Cresol), TCLP	64.8490		100.0		64.8	37-96	
4-Methylphenol (p-Cresol), TCLP	57.7231		100.0		57.7	29-98	
Pentachlorophenol, TCLP	110.430		100.0		110.4	20-134	
2,4,5-Trichlorophenol, TCLP	98.2382		100.0		98.2	49-117	
2,4,6-Trichlorophenol, TCLP	94.5779		100.0		94.6	30-143	
Pyridine, TCLP	50.3486		100.0		50.3	18-75	

MB	Method Blank	SVS090105A	141127		10/27/2005	0924
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	0						
Hexachlorobenzene, TCLP	0						
Hexachlorobutadiene, TCLP	0						
Hexachloroethane, TCLP	0						
Nitrobenzene, TCLP	0						
2-Methylphenol (o-Cresol), TCLP	0						
4-Methylphenol (p-Cresol), TCLP	0						
Pentachlorophenol, TCLP	0						
2,4,5-Trichlorophenol, TCLP	0						
2,4,6-Trichlorophenol, TCLP	0						
Pyridine, TCLP	0						

MS	Matrix Spike	SVS101405M	304654-1		10/27/2005	1141
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	77.1020		100.0	0	77	29-135	
Hexachlorobenzene, TCLP	92.9560		100.0	0	93	46-139	
Hexachlorobutadiene, TCLP	87.8460		100.0	0	88	26-115	
Hexachloroethane, TCLP	71.0198		100.0	0	71	25-225	
Nitrobenzene, TCLP	159.169		100.0	0	159	24-142	A

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
MS	Matrix Spike	SVS101405M	304654-1		10/27/2005	1141	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2-Methylphenol (o-Cresol), TCLP	71.2192		100.0	0	71	26-95	
4-Methylphenol (p-Cresol), TCLP	141.172		100.0	106.856	34	11-112	
Pentachlorophenol, TCLP	108.002		100.0	0	108	38-140	
2,4,5-Trichlorophenol, TCLP	70.8857		100.0	0	71	38-130	
2,4,6-Trichlorophenol, TCLP	82.5349		100.0	0	83	35-136	
Pyridine, TCLP	35.1332		100.0	0	35	23-76	
MSD	Matrix Spike Duplicate	SVS101405M	304654-1			10/27/2005	1215
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	87.6542	77.1020	100.0	0	88	29-135	
Hexachlorobenzene, TCLP	104.277	92.9560	100.0	0	104	45.0	
Hexachlorobutadiene, TCLP	84.1898	87.8460	100.0	0	84	46-139	
Hexachloroethane, TCLP	76.5592	71.0198	100.0	0	77	50.0	
Nitrobenzene, TCLP	144.497	159.169	100.0	0	144	26-115	
2-Methylphenol (o-Cresol), TCLP	64.0907	71.2192	100.0	0	64	4.3	
4-Methylphenol (p-Cresol), TCLP	138.497	141.172	100.0	106.856	32	7.5	
Pentachlorophenol, TCLP	107.853	108.002	100.0	0	108	50.0	
2,4,5-Trichlorophenol, TCLP	68.1822	70.8857	100.0	0	68	24-142	A
2,4,6-Trichlorophenol, TCLP	98.7542	82.5349	100.0	0	99	9.7	
Pyridine, TCLP	45.1922	35.1332	100.0	0	45	50.0	
					25.0	50.0	
PB	Prep. Blank	SVS090105A	141127			10/27/2005	1032
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	0						
Hexachlorobenzene, TCLP	0						
Hexachlorobutadiene, TCLP	0						
Hexachloroethane, TCLP	0						
Nitrobenzene, TCLP	0						
2-Methylphenol (o-Cresol), TCLP	0						
4-Methylphenol (p-Cresol), TCLP	0						
Pentachlorophenol, TCLP	0						
2,4,5-Trichlorophenol, TCLP	0						
2,4,6-Trichlorophenol, TCLP	0						
Pyridine, TCLP	0						

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank	SVS090105A	141127		10/27/2005	1505

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	0						
Hexachlorobenzene, TCLP	0						
Hexachlorobutadiene, TCLP	0						
Hexachloroethane, TCLP	0						
Nitrobenzene, TCLP	0						
2-Methylphenol (o-Cresol), TCLP	0						
4-Methylphenol (p-Cresol), TCLP	0						
Pentachlorophenol, TCLP	0						
2,4,5-Trichlorophenol, TCLP	0						
2,4,6-Trichlorophenol, TCLP	0						
Pyridine, TCLP	0						

PB	Prep. Blank	SVS090105A	141127			10/27/2005	1539
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	0						
Hexachlorobenzene, TCLP	0						
Hexachlorobutadiene, TCLP	0						
Hexachloroethane, TCLP	0						
Nitrobenzene, TCLP	0						
2-Methylphenol (o-Cresol), TCLP	0						
4-Methylphenol (p-Cresol), TCLP	0						
Pentachlorophenol, TCLP	0						
2,4,5-Trichlorophenol, TCLP	0						
2,4,6-Trichlorophenol, TCLP	0						
Pyridine, TCLP	0						

Test Method.....: SW-846 8260B	Units.....: ug/L	Analyst....: yxl
Method Description.: Volatile Organics	Batch(s)....: 141257	

LCS	Laboratory Control Sample	VS101805E				10/25/2005	1213
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, Water	46.7184		50.00	ND	93.4	68-127	
Carbon Tetrachloride, Water	45.9857		50.00	ND	92.0	54-140	
Chlorobenzene, Water	45.5183		50.00	ND	91.0	65-129	
Chloroform, Water	39.5888		50.00	ND	79.2	71-131	
1,4-Dichlorobenzene, Water	49.3423		50.00	ND	98.7	46-142	
1,2-Dichloroethane, Water	45.7358		50.00	ND	91.5	65-133	
1,1-Dichloroethene, Water	50.1276		50.00	ND	100.3	48-147	
Tetrachloroethene, Water	46.2243		50.00	ND	92.4	59-134	
Trichloroethene, Water	45.5488		50.00	ND	91.1	64-130	
Vinyl Chloride, Water	33.4228		50.00	ND	66.8	35-155	
Methyl Ethyl Ketone (2-Butanone), Water	42.2335		50.00	ND	84.5	38-186	

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICS	Laboratory Control Sample	VS101805E			10/26/2005	1204

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, Water	47.2082		50.00	ND	94.4	68-127	
Carbon Tetrachloride, Water	46.3891		50.00	ND	92.8	54-140	
Chlorobenzene, Water	45.9739		50.00	ND	91.9	65-129	
Chloroform, Water	37.7165		50.00	ND	75.4	71-131	
1,4-Dichlorobenzene, Water	50.0709		50.00	ND	100.1	46-142	
1,2-Dichloroethane, Water	45.1470		50.00	ND	90.3	65-133	
1,1-Dichloroethene, Water	47.8551		50.00	ND	95.7	48-147	
Tetrachloroethene, Water	45.4229		50.00	ND	90.8	59-134	
Trichloroethene, Water	44.8657		50.00	ND	89.7	64-130	
Vinyl Chloride, Water	33.3858		50.00	ND	66.8	35-155	
Methyl Ethyl Ketone (2-Butanone), Water	40.7236		50.00	ND	81.4	38-186	

MB	Method Blank	VS101805C				10/25/2005	1304
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, Water	ND						
Carbon Tetrachloride, Water	ND						
Chlorobenzene, Water	ND						
Chloroform, Water	ND						
1,4-Dichlorobenzene, Water	ND						
1,2-Dichloroethane, Water	ND						
1,1-Dichloroethene, Water	ND						
Tetrachloroethene, Water	ND						
Trichloroethene, Water	ND						
Vinyl Chloride, Water	ND						
Methyl Ethyl Ketone (2-Butanone), Water	ND						

MB	Method Blank	VS101805C				10/26/2005	1255
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, Water	ND						
Carbon Tetrachloride, Water	ND						
Chlorobenzene, Water	ND						
Chloroform, Water	ND						
1,4-Dichlorobenzene, Water	ND						
1,2-Dichloroethane, Water	ND						
1,1-Dichloroethene, Water	ND						
Tetrachloroethene, Water	ND						
Trichloroethene, Water	ND						
Vinyl Chloride, Water	ND						
Methyl Ethyl Ketone (2-Butanone), Water	ND						

QUALITY CONTROL RESULTS						
Job Number.: 304654			Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	VS101805E	304068-1	20.00000	10/25/2005	1446

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	51.8847		50.00	ND	104	63-123	
Carbon Tetrachloride, TCLP	48.5867		50.00	ND	97	21-138	
Chlorobenzene, TCLP	51.1318		50.00	ND	102	61-126	
Chloroform, TCLP	41.3975		50.00	ND	83	67-136	
1,4-Dichlorobenzene, TCLP	55.8625		50.00	ND	112	58-128	
1,2-Dichloroethane, TCLP	49.4051		50.00	ND	99	66-135	
1,1-Dichloroethene, TCLP	49.7700		50.00	ND	100	33-130	
Tetrachloroethene, TCLP	48.7699		50.00	ND	98	40-134	
Trichloroethene, TCLP	47.6934		50.00	ND	95	43-127	
Vinyl Chloride, TCLP	33.0244		50.00	ND	66	9-158	
Methyl Ethyl Ketone (2-Butanone), TCLP	44.2086		50.00	ND	88	9-157	

MS	Matrix Spike	VS101805E	304654-1	20.00000	10/26/2005	1412	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	57.5586		50.00	ND	115	63-123	
Carbon Tetrachloride, TCLP	55.0612		50.00	ND	110	21-138	
Chlorobenzene, TCLP	56.3989		50.00	ND	113	61-126	
Chloroform, TCLP	46.1820		50.00	ND	92	67-136	
1,4-Dichlorobenzene, TCLP	60.0815		50.00	ND	120	58-128	
1,2-Dichloroethane, TCLP	53.5852		50.00	ND	107	66-135	
1,1-Dichloroethene, TCLP	62.3990		50.00	ND	125	33-130	
Tetrachloroethene, TCLP	56.3581		50.00	ND	113	40-134	
Trichloroethene, TCLP	53.9007		50.00	ND	108	43-127	
Vinyl Chloride, TCLP	37.9134		50.00	ND	76	9-158	
Methyl Ethyl Ketone (2-Butanone), TCLP	48.9182		50.00	3.56738	91	9-157	

MSD	Matrix Spike Duplicate	VS101805E	304068-1	20.00000	10/25/2005	1511	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	53.6270	51.8847	50.00	ND	107	63-123	
					3.3	30.0	
Carbon Tetrachloride, TCLP	53.6936	48.5867	50.00	ND	107	21-138	
					10.0	30.0	
Chlorobenzene, TCLP	52.7794	51.1318	50.00	ND	106	61-126	
					3.2	30.0	
Chloroform, TCLP	42.8249	41.3975	50.00	ND	86	67-136	
					3.4	30.0	
1,4-Dichlorobenzene, TCLP	58.2154	55.8625	50.00	ND	116	58-128	
					4.1	30.0	
1,2-Dichloroethane, TCLP	48.2133	49.4051	50.00	ND	96	66-135	
					2.4	30.0	
1,1-Dichloroethene, TCLP	53.8991	49.7700	50.00	ND	108	33-130	
					8.0	30.0	
Tetrachloroethene, TCLP	52.6311	48.7699	50.00	ND	105	40-134	
					7.6	30.0	
Trichloroethene, TCLP	50.8957	47.6934	50.00	ND	102	43-127	
					6.5	30.0	
Vinyl Chloride, TCLP	36.0481	33.0244	50.00	ND	72	9-158	
					8.8	30.0	

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	VS101805E	304068-1	20.00000	10/25/2005	1511

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl Ethyl Ketone (2-Butanone), TCLP	39.8191	44.2086	50.00	ND	80 10.4	9-157 30.0	

MSD	Matrix Spike Duplicate	VS101805E	304654-1	20.00000	10/26/2005	1438	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	56.9888	57.5586	50.00	ND	114	63-123	
					1.0	30.0	
Carbon Tetrachloride, TCLP	55.3042	55.0612	50.00	ND	111	21-138	
					0.4	30.0	
Chlorobenzene, TCLP	55.7089	56.3989	50.00	ND	111	61-126	
					1.2	30.0	
Chloroform, TCLP	45.9020	46.1820	50.00	ND	92	67-136	
					0.6	30.0	
1,4-Dichlorobenzene, TCLP	61.2487	60.0815	50.00	ND	122	58-128	
					1.9	30.0	
1,2-Dichloroethane, TCLP	53.4239	53.5852	50.00	ND	107	66-135	
					0.3	30.0	
1,1-Dichloroethene, TCLP	57.4294	62.3990	50.00	ND	115	33-130	
					8.3	30.0	
Tetrachloroethene, TCLP	55.5673	56.3581	50.00	ND	111	40-134	
					1.4	30.0	
Trichloroethene, TCLP	53.6130	53.9007	50.00	ND	107	43-127	
					0.5	30.0	
Vinyl Chloride, TCLP	36.6503	37.9134	50.00	ND	73	9-158	
					3.4	30.0	
Methyl Ethyl Ketone (2-Butanone), TCLP	47.9519	48.9182	50.00	3.56738	89	9-157	
					2.0	30.0	

PB	Prep. Blank	VS101805C		20.00000	10/26/2005	1230			
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, TCLP		ND							
Carbon Tetrachloride, TCLP		ND							
Chlorobenzene, TCLP		ND							
Chloroform, TCLP		ND							
1,4-Dichlorobenzene, TCLP		1.19624							
1,2-Dichloroethane, TCLP		ND							
1,1-Dichloroethene, TCLP		ND							
Tetrachloroethene, TCLP		ND							
Trichloroethene, TCLP		ND							
Vinyl Chloride, TCLP		ND							
Methyl Ethyl Ketone (2-Butanone), TCLP		ND							

SURROGATE RECOVERIES REPORT

Job Number.: 304654 Report Date.: 10/28/2005

CUSTOMER: T3 Energy Services PROJECT: SUMP WASTE ATTN: Ralph Castillo

Method.....: Volatile Organics Method Code....: 8260 Prep Batch.....:
 Batch(s).....: 141257 Test Matrix....: Water Equipment Code: GCMSVOA06

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFIM	TOLD8
141257--21	LCS		10/25/2005	83.6	102.7	80.6	96.6
141257--21	MB		10/25/2005	85.4	110.2	81.8	102.4
141257--21	LCS		10/26/2005	81.5	106.1	79.6	97.5
141257--21	MB		10/26/2005	84.8	104.3	81.0	96.4

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFIM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130

Method.....: Volatile Organics Method Code....: 8260 Prep Batch.....:
 Batch(s).....: 141257 Test Matrix....: TCLP Equipment Code: GCMSVOA06

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFIM	TOLD8
140989--21	PB		10/26/2005	87.3	105.9	83.4	100.4
304068--	1 MS	CONTAMINATED SOIL 1	10/25/2005	82.9	109.5	80.4	99.8
304068--	1 MSD	CONTAMINATED SOIL 1	10/25/2005	79.7	109.2	78.4	98.5
304654--	1	SUMP1 T3-CYPRESS SUMP1	10/26/2005	81.3	106.2	78.0	96.1
304654--	1 MS	SUMP1 T3-CYPRESS SUMP1	10/26/2005	83.9	108.0	82.4	98.6
304654--	1 MSD	SUMP1 T3-CYPRESS SUMP1	10/26/2005	81.2	108.7	80.7	98.4
304654--	2	SUMP2 T3-CYPRESS SUMP2	10/26/2005	81.9	102.0	77.3	95.4

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFIM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130

SURROGATE RECOVERIES REPORT		
Job Number.: 304654		Report Date.: 10/28/2005
CUSTOMER: 483648	PROJECT: SUMP WASTE	ATTN: Ralph Castillo

Method.....: Semivolatile Organics Batch(s).....: 141227 141275	Method Code...: 8270 Test Matrix...: TCLP	Prep Batch.....: 141127 Equipment Code: EGCMS04
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Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND6	TERD14
304654- 1		SUMP1 T3-CYPRESS SUMP1	10/27/2005	92.0	81.4	61.6	140.0A	57.6	74.8
304654- 1 MS		SUMP1 T3-CYPRESS SUMP1	10/27/2005	105.3	88.9	73.2	162.0A	56.1	88.5
304654- 1 MSD		SUMP1 T3-CYPRESS SUMP1	10/27/2005	104.3	93.9	66.1	152.5A	47.6	96.8
304654- 2		SUMP2 T3-CYPRESS SUMP2	10/27/2005	103.1	93.5	65.9	167.8A	57.3	83.1
141127--21 LCS			10/27/2005	116.2	101.2	54.6	106.4	33.7	120.5
141127--21 MB			10/27/2005	92.7	96.4	51.4	104.4	36.9	109.0
141127--21 PB			10/27/2005	94.3	85.7	58.0	96.7	49.6	98.8
141127--21 PB			10/27/2005	89.4	86.8	62.0	91.9	48.3	97.9
141127--21 PB			10/27/2005	97.0	96.8	62.6	101.3	49.8	98.9

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol	10 - 123
2FLUBP	2-Fluorobiphenyl	43 - 116
2FLUPH	2-Fluorophenol	21 - 100
NITRD5	Nitrobenzene-d5	35 - 114
PHEND6	Phenol-d6	10 - 94
TERD14	Terphenyl-d14	33 - 141

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2005

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 3) According to 40CFR Part 136.3, pH, Chlorine Residual, and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field, (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.
- 4) For all USACE projects, the QC limits are based on "mean +/- 2 sigma", which are the warning limits.

General Information:

- Cresylic Acid is the combination of o,m and p-Cresol. The combination is reported as the final result.
- m-Cresol and p-Cresol co-elute. The result of the two is reported as either m&p-cresol or as p-cresol.
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, may be detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- Trimethylsilyl (Diazomethane) is used to esterify acid herbicides in Method SW-846 8151A.
- For Inorganic analyses, duplicate QC limits are determined as follows: If the sample result is less than or equal to 5 times the reporting limit, the RPD limit is equal to the reporting limit. If the sample result is greater than 5 times the reporting limit, the RPD limit is the method defined RPD.

Explanation of Qualifiers:

- U - This qualifier indicates that the analyte was analyzed but not detected.
- J - (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- B - (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- N - (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as "chlorinated hydrocarbon", the "N" flag is not used.

Explanation of General QC Outliers:

- A - Matrix interference present in sample.
- a - MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
- b - Target analyte was found in the method blank.
- M - QC sample analysis yielded recoveries outside QC acceptance criteria. This sample was reanalyzed.
- L - LCS analysis yielded high recoveries, indicating a potential high bias. No target analytes were observed above the RL in the associated samples.
- G - Marginal outlier within 1% of acceptance criteria.
- r - RPD value is outside method acceptance criteria.
- C - Poor RPD values observed due to the non-homogenous nature of the sample.
- O - Sample required dilution due to matrix interference.
- D - Sample reported from a dilution.
- d - Spike and/or surrogate diluted.
- P - The recovery of this analyte is outside default QC limits. The data is accepted and will be used to calculate in-house statistical limits.
- E - The reported concentration exceeds the instrument calibration.
- F - The analyte is outside QC limits. The sample data is accepted since this analyte is not reported in associated samples.
- H - Continuing Calibration Verification (CCV) standard is not associated with the samples reported.
- q - See the subcontract final report for qualifier explanation.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2005

- W - The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
- K - High recovery will not affect the quality of reported results.
- Z - See case narrative.

Explanation of Organic QC Outliers:

- e - Method blank analysis yielded phthalate concentrations above the RL. Phthalates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- S - Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.
- T - Sample analysis yielded poor surrogate recovery.
- R - The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 8000B.
- I - The RPD between the two GC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.
- X - Gaseous compound. In-house QC limits are advisory.
- Y - Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
- f - Surrogate not associated with reported analytes.

Explanation of Inorganic QC Outliers:

- Q - Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
- V - The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.
- e - Serial dilution failed due to matrix interference.
- g - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is greater than or equal to 0.995.
- s - BOD/cBOD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
- l - BOD/cBOD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.
- N - Spiked sample recovery is not within control limits.
- n - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.
- * - Duplicate analysis is not within control limits.

Abbreviations:

- Batch - Designation given to identify a specific extraction, digestion, preparation, or analysis set.
- CCV - Continuing Calibration Verification
- CRA - Low level standard check - GFAA, Mercury
- CRI - Low level standard check - ICP
- Dil Fac - Dilution Factor - Secondary dilution analysis
- DLFac - Detection Limit Factor
- DU - Duplicate
- EB - Extraction Blank (TCLP, SPLP, etc.)
- ICAL - Initial Calibration
- ICB - Initial Calibration Blank
- ICV - Initial Calibration Verification
- ISA - Interference Check Sample A - ICP
- ISB - Interference Check Sample B - ICP
- LCD - Laboratory Control Duplicate
- LCS - Laboratory Control Sample
- MB - Method Blank

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2005

MD - Method Duplicate
MDL - Method Detection Limit
MQL - Method Quantitation Limit (TRRP)
MS - Matrix Spike
MSD - Matrix Spike Duplicate
ND - Not Detected
PB - Preparation Blank
PREPF - Preparation Factor
RL - Reporting Limit
RPD - Relative Percent Difference
RRF - Relative Response Factor
RT - Retention Time
SQL - Sample Quantitation Limit (TRRP)
TIC - Tentatively Identified Compound

Method References:

- (1) EPA 600/4-79-020 Methods for the Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-94-111 Methods for the Determination of Metals in Environmental Samples, Supplement I, May 1994.
- (3) EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I July 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December 1996, Update IVA January 1998, Update IVB November 2000.
- (4) Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989), 18th Edition (1992), 19th Edition (1995), 20th Edition (1998).
- (5) HACH Water Analysis Handbook 3rd Edition (1997).
- (6) Federal Register, July 1, 1990 (40 CFR Part 136 Appendix A).
- (7) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.
- (8) ASTM Annual Book of Methods (Various Years)
- (9) Diagnosis and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, United States Department of Agriculture, 1954.

LABORATORY CHRONICLE

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Lab ID: 304654-1 Client ID: SUMP1 T3-CYPRESS SUMP1		Date Recvd: 10/22/2005		Sample Date: 10/21/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION	
SW-846 3010A	Acid Digestion Extracts FLAA/ICP TCLP	1	141005		10/25/2005	1000	
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP	1	141127		10/26/2005	0800	
ASTM D92-85	Flash & Fire Points (Cleveland Open Cup)	1	141164		10/26/2005	1000	
SW-846 7470A	Mercury (CVAA)	1	141110	141085	10/26/2005	1148	
SW-846 7470A	Mercury Preparation (CVAA) TCLP	1	141085		10/26/2005	0815	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	141083	141005	10/25/2005	1558	
SW-846 7.3	Reactivity, Cyanide and Sulfide	1	141038		10/25/2005	1200	
SW-846 8270C	Semivolatile Organics	1	141227	141127	10/27/2005	1106	1.00000
SW-846 9045C	Soil pH measured in water	1	141268		10/27/2005	1645	
SW-846 1311	TCLP Zero Headspace Extraction	1	140989		10/24/2008	2230	
SW-846 1311	Toxicity Characteristic Leachate Proced.	1	140987		10/24/2005	1730	
SW-846 8260B	Volatile Organics	1	141257	140989	10/26/2005	1347	20.0000
Lab ID: 304654-2 Client ID: SUMP2 T3-CYPRESS SUMP2		Date Recvd: 10/22/2005		Sample Date: 10/21/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION	
SW-846 3010A	Acid Digestion Extracts FLAA/ICP TCLP	1	141005		10/25/2005	1000	
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP	1	141127		10/26/2005	0800	
SW-846 7470A	Mercury (CVAA)	1	141110	141085	10/26/2005	1149	
SW-846 7470A	Mercury Preparation (CVAA) TCLP	1	141085		10/26/2005	0815	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	141083	141005	10/25/2005	1602	
SW-846 7.3	Reactivity, Cyanide and Sulfide	1	141038		10/25/2005	1200	
SW-846 8270C	Semivolatile Organics	1	141227	141127	10/27/2005	1249	1.00000
SW-846 9045C	Soil pH measured in water	1	141268		10/27/2005	1645	
SW-846 1311	TCLP Zero Headspace Extraction	1	140989		10/24/2008	2230	
SW-846 1311	Toxicity Characteristic Leachate Proced.	1	140987		10/24/2005	1730	
SW-846 8260B	Volatile Organics	1	141257	140989	10/26/2005	1503	20.0000

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1092-T-3 Energy, Patented In 1692

Prof # 1692



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/25/2006

Dear Lance Robbins, Sean

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1692

Generator: T-3 Energy, Preferred Industries
Address: 14710 Cypress N. Houston Road
Cypress, TX 77429

Waste Information

Name of Waste: TPH absorbent

TCEQ Waste Code #: CESQ3191

Container Type:

Detailed Description of Process Generating Waste:

Clay absorbent used to clean up various oil spills from machining operations

Color: grey, white, black **Odor:** oil like **pH:** neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

1692



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: T-3 Energy Services (Cypress)
Address: 14710 Cypress N. Houston Road
City, State, Zip: Cypress, TX 77429
Contact: Sean Doerflinger Title: Manager
Phone No: 832-237-0561 Cell: 713-261-2879 Fax No: 832-237-0546
24/hr Phone: CES- 713-676-1460
U.S. EPA I.D. No: CESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: TPH Absorbent

Detailed Description of Process Generating Waste: Clay absorbent used to clean up various oil spills from machining operations.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Grey, White, Black

Odor: Oil like

Specific Gravity (water=1): 1.5

Density: 12 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal.

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: CESQ3191

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point <u>none</u>	pH <u>neutral</u>	Reactive Sulfides <u>0mg/l</u>	Reactive Cyanides <u>0mg/l</u>	Solids <u>100%</u>
Oil & Grease <u>>1500mg/l</u>	TOC <u>>1500mg/l</u>	Zinc <u>0mg/l</u>	Copper <u>0mg/l</u>	Nickel <u>0mg/l</u>

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Clay Absorbent		90-100	%
Oil and Coolant		0-10	%
Dirt and soil		0-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analysis of sump sludge that contains the same oil and coolant at higher percentages

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: _____

TCLP Volatiles: ☒

TCLP Semi-Volatiles: ☒

Reactivity: ☒

Corrosivity: ☒

Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 7/21/06

Printed Name/Title: SEAN DERFLINGER QUEST MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Additional Information: _____

Date: 7-24-06

Approved ☒

Rejected ☐

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Approval Number: _____

1692

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SAMPLE INFORMATION	
Date: 10/28/2005	
Job Number.: 304654	Project Number.....: 99002917
Customer....: T3 Energy Services	Customer Project ID....: SUMP WASTE
Attn.....: Ralph Castillo	Project Description....: General Analytical

Page 1

LABORATORY TEST RESULTS							
Job Number: 304654		Date: 10/28/2005					
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE	ATTN: Ralph Castillo				
Customer Sample ID: SUMP1 T3-CYPRESS SUMP1		Laboratory Sample ID: 304654-1					
Date Sampled.....: 10/21/2005		Date Received.....: 10/22/2005					
Time Sampled.....: 09:15		Time Received.....: 08:10					
Sample Matrix.....: Sludge							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7.3	Reactivity, Cyanide, Soil	<10.0		10.0	mg/Kg	10/25/05	tw
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0		50.0	mg/Kg	10/25/05	tw
SW-846 9045C	Soil pH, Soil	7.20		0.01	pH Units	10/27/05	sur
ASTM D92-85	Flash & Fire Points (Cleveland Open Cup)						
	Ignitability (Flashpoint), Soil	>212			degrees F	10/26/05	rnc
SW-846 1311	TCLP Semi-Volatiles Analysis, Solid	Complete				10/24/05	ss
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete				10/24/08	ss
SW-846 6010B	Arsenic (As), TCLP	ND		0.100	mg/L	10/25/05	tw
SW-846 6010B	Barium (Ba), TCLP	2.45		0.100	mg/L	10/25/05	tw
SW-846 6010B	Cadmium (Cd), TCLP	0.421		0.100	mg/L	10/25/05	tw
SW-846 6010B	Chromium (Cr), TCLP	ND		0.100	mg/L	10/25/05	tw
SW-846 6010B	Lead (Pb), TCLP	0.206		0.100	mg/L	10/25/05	tw
SW-846 6010B	Selenium (Se), TCLP	ND		0.200	mg/L	10/25/05	tw
SW-846 6010B	Silver (Ag), TCLP	ND		0.100	mg/L	10/25/05	tw
SW-846 7470A	Mercury (Hg), TCLP	ND		1.00	ug/L	10/26/05	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete				10/25/05	drl
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP						
	Separatory Funnel Liq/Liq Extraction, TCLP	Complete				10/26/05	mra
SW-846 8270C	Semivolatile Organics						
	2,4-Dinitrotoluene, TCLP	ND		16.7	ug/L	10/27/05	acn
	Hexachlorobenzene, TCLP	ND		16.7	ug/L	10/27/05	acn
	Hexachlorobutadiene, TCLP	ND		16.7	ug/L	10/27/05	acn
	Hexachloroethane, TCLP	ND		16.7	ug/L	10/27/05	acn
	Nitrobenzene, TCLP	ND		16.7	ug/L	10/27/05	acn
	2-Methylphenol (o-Cresol), TCLP	ND		16.7	ug/L	10/27/05	acn
	4-Methylphenol (p-Cresol), TCLP	178		16.7	ug/L	10/27/05	acn
	Pentachlorophenol, TCLP	ND		83.4	ug/L	10/27/05	acn
	2,4,5-Trichlorophenol, TCLP	ND		16.7	ug/L	10/27/05	acn
	2,4,6-Trichlorophenol, TCLP	ND		16.7	ug/L	10/27/05	acn
	Pyridine, TCLP	ND		33.3	ug/L	10/27/05	acn
SW-846 8260B	Volatile Organics						
	Benzene, TCLP	ND		100	ug/L	10/26/05	yx

* In Description = Dry Wgt.

Job Number: 304654

LABORATORY TEST RESULTS

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP1 T3-CYPRESS SUMP1

Date Sampled.....: 10/21/2005

Time Sampled.....: 09:15

Sample Matrix.....: Sludge

Laboratory Sample ID: 304654-1

Date Received.....: 10/22/2005

Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Carbon Tetrachloride, TCLP	ND		100	ug/L	10/26/05	yx1
	Chlorobenzene, TCLP	ND		100	ug/L	10/26/05	yx1
	Chloroform, TCLP	ND		100	ug/L	10/26/05	yx1
	1,4-Dichlorobenzene, TCLP	ND		100	ug/L	10/26/05	yx1
	1,2-Dichloroethane, TCLP	ND		100	ug/L	10/26/05	yx1
	1,1-Dichloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Tetrachloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Trichloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Vinyl Chloride, TCLP	ND		200	ug/L	10/26/05	yx1
	Methyl Ethyl Ketone (2-Butanone), TCLP	ND		200	ug/L	10/26/05	yx1

* In Description = Dry Wgt.

LABORATORY TEST RESULTS							
Job Number: 304654		Date: 10/28/2005					
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE					
		ATTN: Ralph Castillo					
Customer Sample ID: SUMP2 T3-CYPRESS SUMP2 Date Sampled.....: 10/21/2005 Time Sampled.....: 09:18 Sample Matrix.....: Sludge		Laboratory Sample ID: 304654-2 Date Received.....: 10/22/2005 Time Received.....: 08:10					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7.3	Reactivity, Cyanide, Soil	<10.0		10.0	mg/Kg	10/25/05	tw
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0		50.0	mg/Kg	10/25/05	tw
SW-846 9045C	Soil pH, Soil	4.60		0.01	pH Units	10/27/05	sur
SW-846 1311	TCLP Semi-Volatiles Analysis, Solid	Complete				10/24/05	sso
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete				10/24/08	sso
SW-846 6010B	Arsenic (As), TCLP	ND		0.100	mg/L	10/25/05	twr
SW-846 6010B	Barium (Ba), TCLP	2.94		0.100	mg/L	10/25/05	twr
SW-846 6010B	Cadmium (Cd), TCLP	0.649		0.100	mg/L	10/25/05	twr
SW-846 6010B	Chromium (Cr), TCLP	ND		0.100	mg/L	10/25/05	twr
SW-846 6010B	Lead (Pb), TCLP	0.222		0.100	mg/L	10/25/05	twr
SW-846 6010B	Selenium (Se), TCLP	ND		0.200	mg/L	10/25/05	twr
SW-846 6010B	Silver (Ag), TCLP	ND		0.100	mg/L	10/25/05	twr
SW-846 7470A	Mercury (Hg), TCLP	ND		1.00	ug/L	10/26/05	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete				10/25/05	drl
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP Separatory Funnel Liq/Liq Extraction, TCLP	Complete				10/26/05	mra
SW-846 8270C	Semivolatile Organics						
	2,4-Dinitrotoluene, TCLP	ND		14.3	ug/L	10/27/05	acn
	Hexachlorobenzene, TCLP	ND		14.3	ug/L	10/27/05	acn
	Hexachlorobutadiene, TCLP	ND		14.3	ug/L	10/27/05	acn
	Hexachloroethane, TCLP	ND		14.3	ug/L	10/27/05	acn
	Nitrobenzene, TCLP	ND		14.3	ug/L	10/27/05	acn
	2-Methylphenol (o-Cresol), TCLP	ND		14.3	ug/L	10/27/05	acn
	4-Methylphenol (p-Cresol), TCLP	128		14.3	ug/L	10/27/05	acn
	Pentachlorophenol, TCLP	ND		71.4	ug/L	10/27/05	acn
	2,4,5-Trichlorophenol, TCLP	ND		14.3	ug/L	10/27/05	acn
	2,4,6-Trichlorophenol, TCLP	ND		14.3	ug/L	10/27/05	acn
	Pyridine, TCLP	ND		28.6	ug/L	10/27/05	acn
	SW-846 8260B	Volatile Organics					
Benzene, TCLP		ND		100	ug/L	10/26/05	yx1
Carbon Tetrachloride, TCLP		ND		100	ug/L	10/26/05	yx1
Chlorobenzene, TCLP		ND		100	ug/L	10/26/05	yx1

* In Description = Dry Wgt.

LABORATORY TEST RESULTS							
Job Number: 304654		Date: 10/28/2005					
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN: Ralph Castillo		
Customer Sample ID: SUMP2 T3-CYPRESS SUMP2 Date Sampled.....: 10/21/2005 Time Sampled.....: 09:18 Sample Matrix.....: Sludge				Laboratory Sample ID: 304654-2 Date Received.....: 10/22/2005 Time Received.....: 08:10			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Chloroform, TCLP	ND		100	ug/L	10/26/05	yx1
	1,4-Dichlorobenzene, TCLP	ND		100	ug/L	10/26/05	yx1
	1,2-Dichloroethane, TCLP	ND		100	ug/L	10/26/05	yx1
	1,1-Dichloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Tetrachloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Trichloroethene, TCLP	ND		100	ug/L	10/26/05	yx1
	Vinyl Chloride, TCLP	ND		200	ug/L	10/26/05	yx1
	Methyl Ethyl Ketone (2-Butanone), TCLP	ND		200	ug/L	10/26/05	yx1

* In Description = Dry Wgt.

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN: Ralph Castillo

Test Method.....: ASTM D92-85	Analyst....: rmc
Method Description.: Flash & Fire Points (Cleveland Open Cup) Units.....: degrees F	Test Code.: IGNPMC
Parameter.....: Ignitability (Flashpoint) Batch(s)....: 141164	

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
DU	304569-1		>212			>212	0.0	10.0		10/26/2005	1000

Test Method.....: SW-846 7.3	Analyst....: tws
Method Description.: Reactivity, Cyanide and Sulfide Units.....: mg/L	Test Code.: REACCN
Parameter.....: Reactivity, Cyanide Batch(s)....: 141038	

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
LCS	141038--21	WC3425A	75.18		1000		7.5	0.00-200.		10/25/2005	1200
MB	141038--21		0							10/25/2005	1200
DU	304569-1		0			0	0	10		10/25/2005	1200
MS	304569-1	WC3425A	73.24		1000	0	7	0-100		10/25/2005	1200

Test Method.....: SW-846 7.3	Analyst....: tws
Method Description.: Reactivity, Cyanide and Sulfide Units.....: mg/L	Test Code.: REACS
Parameter.....: Reactivity, Sulfide Batch(s)....: 141038	

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
LCS	141038--21	WCS36889	1010.2		1591.84		63.5	0.00-200.		10/25/2005	1200
MB	141038--21		0							10/25/2005	1200
DU	304569-1		0			0	0	50		10/25/2005	1200
MS	304569-1	WCS36889	438.78		1591.84	0	29	0-100		10/25/2005	1200

Test Method.....: SW-846 9045C	Analyst....: sur
Method Description.: Soil pH measured in water Units.....: pH Units	Test Code.: 9045B
Parameter.....: Soil pH Batch(s)....: 141268	

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
LCS	141268--21	WC3373	6.99		7.0		99.9	99.0-101.		10/27/2005	1645
CCV		WC3373	6.99		7.0		99.9	99.0-101.		10/27/2005	1645
CCV		WC3373	6.99		7.0		99.9	99.0-101.		10/27/2005	1645
DU	304800-1		7.35			7.36	0.1	1		10/27/2005	1645
DU	304511-1		7.38			7.37	0.1	1		10/27/2005	1645

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN: Ralph Castillo		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
Test Method.....: SW-846 7470A		Units.....: ug/L		Analyst....: dcl			
Method Description.: Mercury (CVAA)		Batch(s)....: 141110					
CCB	Continuing Calibration Blank				10/26/2005	1119	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		-0.0065387					
CCB	Continuing Calibration Blank				10/26/2005	1138	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01990520					
CCB	Continuing Calibration Blank				10/26/2005	1157	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01140038					
CCB	Continuing Calibration Blank				10/26/2005	1214	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01722202					
CCV	Continuing Calibration Verification	MSHGICV2			10/26/2005	1117	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.17469560		3.00		105.8 90.0-110.0	
CCV	Continuing Calibration Verification	MSHGICV2			10/26/2005	1136	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.18886165		3.00		106.3 90.0-110.0	
CCV	Continuing Calibration Verification	MSHGICV2			10/26/2005	1155	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.26886216		3.00		109.0 90.0-110.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN: Ralph Castillo		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCV	Continuing Calibration Verification	MSHGICV2			10/26/2005	1212	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.25815088		3.00		108.6 90.0-110.0	
CRA	Contract Required Detection Limit	MSHGICV2			10/26/2005	1115	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.17804869		3.00		5.9 50.0-150.0	
EB	Extraction Blank		141085		10/26/2005	1125	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		-0.0219604					
EB	Extraction Blank		141085		10/26/2005	1127	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01377787					
EB	Extraction Blank		141085		10/26/2005	1204	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.05285686					
ICB	Initial Calibration Blank				10/26/2005	1114	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01722716					
ICV	Initial Calibration Verification	MSHGICV2			10/26/2005	1111	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.10705520		3.00		103.6 95.0-105.0	
LCS	Laboratory Control Sample	MSHGICV2	141085		10/26/2005	1123	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		3.22947618		3.00		107.6 90.0-110.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN: Ralph Castillo		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
MD	Method Duplicate		304609-1		10/26/2005	1141	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), TCLP		0.01002880	0.00384602		0.00384602	0.00618278 0.20000000	
MD	Method Duplicate		304014-1		10/26/2005	1159	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), Water		1.16023996	-0.0667680		-0.0667680	1.22700796 0.20000000 C	
MS	Matrix Spike	MSHGICV2	304609-1		10/26/2005	1143	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), TCLP		2.85894292		3.00	0.00384602	95.2 75-125	
MS	Matrix Spike	MSHGICV2	304014-1		10/26/2005	1200	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), Water		1.30765961		3.00	-0.0667680	45.8 75-125 a	
MSD	Matrix Spike Duplicate	MSHGICV2	304609-1		10/26/2005	1145	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), TCLP		2.83310428	2.85894292	3.00	0.00384602	94.3 75-125 0.9 20	
MSD	Matrix Spike Duplicate	MSHGICV2	304014-1		10/26/2005	1202	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), Water		2.96998358	1.30765961	3.00	-0.0667680	101.2 75-125 75.4 20 a	
PB	Prep. Blank		141085		10/26/2005	1121	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg)		0.01195031					

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services			PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
PDS	Post Digestion Spike	MSHGICV2	304609-1		10/26/2005	1208	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Mercury (Hg), TCLP		3.77248505		3.00	0.00384602	125.6	75-125 A
S0	Calibration Blank					10/26/2005	1057
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Mercury (Hg)		0					
S0.2	Calibration Standard					10/26/2005	1059
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Mercury (Hg)		0					
S0.5	Calibration Standard					10/26/2005	1101
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Mercury (Hg)		0					
S1.0	Calibration Standard					10/26/2005	1103
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Mercury (Hg)		0					
S10.0	Calibration Standard					10/26/2005	1109
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Mercury (Hg)		0					
S2.0	Calibration Standard					10/26/2005	1104
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Mercury (Hg)		0					
S5.0	Calibration Standard					10/26/2005	1107
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Mercury (Hg)		0					

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
SD	Serial Dilution		304609-1	5	10/26/2005	1210	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Mercury (Hg), TCLP		0.00946219			0.00384602		
Test Method.....: SW-846 6010B		Units.....: mg/L			Analyst....: twr		
Method Description.: Metals Analysis (ICAP Trace)		Batch(s)....: 141053 141083					
CCB	Continuing Calibration Blank				10/25/2005	0907	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00223					
Barium (Ba)		-0.00011					
Cadmium (Cd)		0.00007					
Chromium (Cr)		-0.00048					
Lead (Pb)		-0.00103					
Selenium (Se)		0.00162					
Silver (Ag)		-0.00030					
CCB	Continuing Calibration Blank				10/25/2005	0956	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00283					
Barium (Ba)		0.00017					
Cadmium (Cd)		0.00037					
Chromium (Cr)		0.00312					
Lead (Pb)		-0.00237					
Selenium (Se)		0.00086					
Silver (Ag)		0.00265					
CCB	Continuing Calibration Blank				10/25/2005	1043	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00301					
Barium (Ba)		-0.00011					
Cadmium (Cd)		0.00038					
Chromium (Cr)		0.00055					
Lead (Pb)		-0.00187					
Selenium (Se)		-0.00171					
Silver (Ag)		0.00004					
CCB	Continuing Calibration Blank				10/25/2005	1304	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00179					
Barium (Ba)		-0.00024					
Cadmium (Cd)		0.00060					
Chromium (Cr)		0.00065					

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCB	Continuing Calibration Blank				10/25/2005	1304	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Lead (Pb)		-0.00192					
Selenium (Se)		0.00080					
Silver (Ag)		-0.00056					
CCB	Continuing Calibration Blank				10/25/2005	1510	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		-0.00271					
Barium (Ba)		-0.00006					
Cadmium (Cd)		0.00067					
Chromium (Cr)		0.00118					
Lead (Pb)		0.00000					
Selenium (Se)		0.00477					
Silver (Ag)		0.00001					
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	0903	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		0.49296		0.500		98.6 90.0-110.0	
Barium (Ba)		0.50222		0.500		100.4 90.0-110.0	
Cadmium (Cd)		0.50277		0.500		100.6 90.0-110.0	
Chromium (Cr)		0.51103		0.500		102.2 90.0-110.0	
Lead (Pb)		0.49848		0.500		99.7 90.0-110.0	
Selenium (Se)		0.49739		0.500		99.5 90.0-110.0	
Silver (Ag)		0.24853		0.25		99.4 90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	0952	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		0.49038		0.500		98.1 90.0-110.0	
Barium (Ba)		0.49908		0.500		99.8 90.0-110.0	
Cadmium (Cd)		0.50302		0.500		100.6 90.0-110.0	
Chromium (Cr)		0.52313		0.500		104.6 90.0-110.0	
Lead (Pb)		0.49588		0.500		99.2 90.0-110.0	
Selenium (Se)		0.49453		0.500		98.9 90.0-110.0	
Silver (Ag)		0.24869		0.25		99.5 90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1039	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		0.48543		0.500		97.1 90.0-110.0	
Barium (Ba)		0.49222		0.500		98.4 90.0-110.0	
Cadmium (Cd)		0.50664		0.500		101.3 90.0-110.0	
Chromium (Cr)		0.53195		0.500		106.4 90.0-110.0	
Lead (Pb)		0.50160		0.500		100.3 90.0-110.0	
Selenium (Se)		0.48874		0.500		97.7 90.0-110.0	

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services			PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1039	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Silver (Ag)	0.24771		0.25		99.1	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1300
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.48737		0.500		97.5	90.0-110.0	
Barium (Ba)	0.48475		0.500		97.0	90.0-110.0	
Cadmium (Cd)	0.50407		0.500		100.8	90.0-110.0	
Chromium (Cr)	0.52760		0.500		105.5	90.0-110.0	
Lead (Pb)	0.50045		0.500		100.1	90.0-110.0	
Selenium (Se)	0.48792		0.500		97.6	90.0-110.0	
Silver (Ag)	0.24702		0.25		98.8	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1506
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.51303		0.500		102.6	90.0-110.0	
Barium (Ba)	0.49876		0.500		99.8	90.0-110.0	
Cadmium (Cd)	0.53506		0.500		107.0	90.0-110.0	
Chromium (Cr)	0.52809		0.500		105.6	90.0-110.0	
Lead (Pb)	0.53097		0.500		106.2	90.0-110.0	
Selenium (Se)	0.50107		0.500		100.2	90.0-110.0	
Silver (Ag)	0.25197		0.25		100.8	90.0-110.0	
CH1	Calibration check standard 1	MS092605T1				10/25/2005	0847
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00750		0.0100		75.0	50.0-150.0	
Barium (Ba)	0.00863		0.0100		86.3	50.0-150.0	
Cadmium (Cd)	0.00510		0.00500		102.0	50.0-150.0	
Chromium (Cr)	0.01022		0.0100		102.2	50.0-150.0	
Lead (Pb)	0.00689		0.0100		68.9	50.0-150.0	
Selenium (Se)	0.00897		0.0100		89.7	50.0-150.0	
Silver (Ag)	0.00451		0.00500		90.2	50.0-150.0	
CH3	Standard check for ICAP	MS100505T3				10/25/2005	0835
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	1.99451		2.00		99.7	95.0-105.0	
Barium (Ba)	1.99566		2.00		99.8	95.0-105.0	
Cadmium (Cd)	1.00030		1.00		100.0	95.0-105.0	
Chromium (Cr)	2.01040		2.00		100.5	95.0-105.0	
Lead (Pb)	1.99881		2.00		99.9	95.0-105.0	
Selenium (Se)	1.99739		2.00		99.9	95.0-105.0	
Silver (Ag)	0.99918		1.00		99.9	95.0-105.0	

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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CRI	Contract Required Detection Limits	MS100505CR			10/25/2005	0851
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.01561		0.0200		78.0	50.0-150.0	
Cadmium (Cd)	0.01028		0.010		102.8	50.0-150.0	
Chromium (Cr)	0.02141		0.0200		107.0	50.0-150.0	
Lead (Pb)	0.00441		0.0060		73.5	50.0-150.0	
Selenium (Se)	0.01301		0.010		130.1	50.0-150.0	
Silver (Ag)	0.02042		0.0200		102.1	50.0-150.0	

EB	Extraction Blank		140987-1			10/25/2005	1434
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00674						
Barium (Ba)	0.00501						
Cadmium (Cd)	0.00072						
Chromium (Cr)	0.00125						
Lead (Pb)	-0.00210						
Selenium (Se)	0.00488						
Silver (Ag)	-0.00011						

EB	Extraction Blank		140987-4			10/25/2005	1458
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00115						
Barium (Ba)	0.00941						
Cadmium (Cd)	0.00049						
Chromium (Cr)	0.00230						
Lead (Pb)	-0.00252						
Selenium (Se)	0.00122						
Silver (Ag)	0.00127						

ICB	Initial Calibration Blank					10/25/2005	0843
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00084						
Barium (Ba)	0.00018						
Cadmium (Cd)	0.00028						
Chromium (Cr)	0.00227						
Lead (Pb)	-0.00232						
Selenium (Se)	0.00012						
Silver (Ag)	0.00229						

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services			PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
ICV	Initial Calibration Verification	MS102005CC			10/25/2005	0839	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.49769		0.500		99.5	95.0-105.0	
Barium (Ba)	0.50439		0.500		100.9	95.0-105.0	
Cadmium (Cd)	0.50012		0.500		100.0	95.0-105.0	
Chromium (Cr)	0.50469		0.500		100.9	95.0-105.0	
Lead (Pb)	0.49552		0.500		99.1	95.0-105.0	
Selenium (Se)	0.50041		0.500		100.1	95.0-105.0	
Silver (Ag)	0.24687		0.25		98.7	95.0-105.0	
ISA	Interference Check Sample A	MS100505IA				10/25/2005	0855
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00278		0.0				
Barium (Ba)	0.00135		0.0				
Cadmium (Cd)	-0.00061		0.0				
Chromium (Cr)	0.00556		0.0				
Lead (Pb)	0.01106		0.0				
Selenium (Se)	0.02005		0.0				
Silver (Ag)	0.00019		0.0				
ISB	Interference Check Sample B	MS100505IB				10/25/2005	0859
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.97597		1.00		97.6	80.0-120.0	
Barium (Ba)	1.05638		1.00		105.6	80.0-120.0	
Cadmium (Cd)	0.49294		0.500		98.6	80.0-120.0	
Chromium (Cr)	1.06614		1.00		106.6	80.0-120.0	
Lead (Pb)	1.03349		1.00		103.3	80.0-120.0	
Selenium (Se)	0.98937		1.00		98.9	80.0-120.0	
Silver (Ag)	0.55617		0.500		111.2	80.0-120.0	
ICS	Laboratory Control Sample	MSPIKE3				10/25/2005	0917
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.95926		1.00		95.9	85.0-115.0	
Barium (Ba)	0.95173		1.00		95.2	85.0-115.0	
Cadmium (Cd)	0.48071		0.500		96.1	85.0-115.0	
Chromium (Cr)	0.98696		1.00		98.7	85.0-115.0	
Lead (Pb)	0.95710		1.00		95.7	85.0-115.0	
Selenium (Se)	0.97987		1.00		98.0	85.0-115.0	
Silver (Ag)	0.47844		0.500		95.7	85.0-115.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE		ATTN:			
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
LCS	Laboratory Control Sample	MSPIKE3	141005		10/25/2005	1430	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As)	0.98926		1.00		98.9	85.0-115.0	
Barium (Ba)	0.95112		1.00		95.1	85.0-115.0	
Cadmium (Cd)	0.51103		0.500		102.2	85.0-115.0	
Chromium (Cr)	1.03003		1.00		103.0	85.0-115.0	
Lead (Pb)	1.01742		1.00		101.7	85.0-115.0	
Selenium (Se)	0.97576		1.00		97.6	85.0-115.0	
Silver (Ag)	0.49256		0.500		98.5	85.0-115.0	
MD	Method Duplicate		304370-1		10/25/2005	1442	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As), TCLP	0.01068	0.01229		0.01229	0.00161	0.02000	
Barium (Ba), TCLP	0.86758	0.89316		0.89316	2.9	20	
Cadmium (Cd), TCLP	0.00058	0.00067		0.00067	0.00009	0.00500	
Chromium (Cr), TCLP	0.00352	0.00279		0.00279	0.00073	0.01000	
Lead (Pb), TCLP	0.00438	0.00335		0.00335	0.00103	0.01000	
Selenium (Se), TCLP	0.00548	0.00533		0.00533	0.00015	0.04000	
Silver (Ag), TCLP	-0.00028	0.00090		0.00090	0.00118	0.01000	
MS	Matrix Spike	MSPIKE3	304370-1		10/25/2005	1446	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As), TCLP	0.96968		1.00	0.01229	95.7	75-125	
Barium (Ba), TCLP	1.91303		1.00	0.89316	102.0	75-125	
Cadmium (Cd), TCLP	0.49898		0.500	0.00067	99.7	75-125	
Chromium (Cr), TCLP	1.08308		1.00	0.00279	108.0	75-125	
Lead (Pb), TCLP	1.04610		1.00	0.00335	104.3	75-125	
Selenium (Se), TCLP	0.98791		1.00	0.00533	98.3	75-125	
Silver (Ag), TCLP	0.54781		0.500	0.00090	109.4	75-125	
MSD	Matrix Spike Duplicate	MSPIKE3	304370-1		10/25/2005	1450	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F	
Arsenic (As), TCLP	0.95362	0.96968	1.00	0.01229	94.1	75-125	
Barium (Ba), TCLP	1.88126	1.91303	1.00	0.89316	1.7	20	
Cadmium (Cd), TCLP	0.49228	0.49898	0.500	0.00067	98.8	75-125	
Chromium (Cr), TCLP	1.06925	1.08308	1.00	0.00279	3.2	20	
Lead (Pb), TCLP	1.03317	1.04610	1.00	0.00335	98.3	75-125	
Selenium (Se), TCLP	0.98172	0.98791	1.00	0.00533	1.4	20	
Silver (Ag), TCLP	0.54172	0.54781	0.500	0.00090	106.6	75-125	
					1.3	20	
					103.0	75-125	
					1.3	20	
					97.6	75-125	
					0.7	20	
					108.2	75-125	
					1.1	20	

Job Number.: 304654			QUALITY CONTROL RESULTS			Report Date.: 10/28/2005		
CUSTOMER: T3 Energy Services			PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time		
PB	Prep. Blank		141005		10/25/2005	1427		
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F	
Arsenic (As)	-0.00277							
Barium (Ba)	-0.00010							
Cadmium (Cd)	0.00097							
Chromium (Cr)	0.00171							
Lead (Pb)	-0.00073							
Selenium (Se)	0.00050							
Silver (Ag)	-0.00033							
S0	Calibration Blank				10/25/2005	0826		
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F	
Arsenic (As)	0.00387							
Barium (Ba)	0.00033							
Cadmium (Cd)	-0.01817							
Chromium (Cr)	-0.00020							
Lead (Pb)	0.00024							
Selenium (Se)	0.00023							
Silver (Ag)	-0.00719							
SD	Serial Dilution		304671-1		10/25/2005	1036		
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F	
Arsenic (As), Water	0.00210							
Barium (Ba), Water	0.01742							
Cadmium (Cd), Water	0.00052							
Chromium (Cr), Water	0.00197							
Lead (Pb), Water	-0.00182							
Selenium (Se), Water	0.00137							
Silver (Ag), Water	0.00079							
STD	Spiked Blank Duplicate				10/25/2005	0831		
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F	
Arsenic (As)	2.99436							
Barium (Ba)	0.60791							
Cadmium (Cd)	17.20330							
Chromium (Cr)	0.66129							
Silver (Ag)	0.55787							

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				10/25/2005	0907

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00223						
Barium (Ba)	-0.00011						
Cadmium (Cd)	0.00007						
Chromium (Cr)	-0.00048						
Lead (Pb)	-0.00103						
Selenium (Se)	0.00162						
Silver (Ag)	-0.00030						

CCB	Continuing Calibration Blank					10/25/2005	0956
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00283						
Barium (Ba)	0.00017						
Cadmium (Cd)	0.00037						
Chromium (Cr)	0.00312						
Lead (Pb)	-0.00237						
Selenium (Se)	0.00086						
Silver (Ag)	0.00265						

CCB	Continuing Calibration Blank					10/25/2005	1043
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00301						
Barium (Ba)	-0.00011						
Cadmium (Cd)	0.00038						
Chromium (Cr)	0.00055						
Lead (Pb)	-0.00187						
Selenium (Se)	-0.00171						
Silver (Ag)	0.00004						

CCB	Continuing Calibration Blank					10/25/2005	1304
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00179						
Barium (Ba)	-0.00024						
Cadmium (Cd)	0.00060						
Chromium (Cr)	0.00065						
Lead (Pb)	-0.00192						
Selenium (Se)	0.00080						
Silver (Ag)	-0.00056						

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank				10/25/2005	1510
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00271						
Barium (Ba)	-0.00006						
Cadmium (Cd)	0.00067						
Chromium (Cr)	0.00118						
Lead (Pb)	0.00000						
Selenium (Se)	0.00477						
Silver (Ag)	0.00001						

CCB	Continuing Calibration Blank				10/25/2005	1625
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00362						
Barium (Ba)	0.00024						
Cadmium (Cd)	0.00048						
Chromium (Cr)	0.00055						
Lead (Pb)	-0.00230						
Selenium (Se)	0.00056						
Silver (Ag)	0.00160						

CCB	Continuing Calibration Blank				10/25/2005	1645
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00185						
Barium (Ba)	0.00015						
Cadmium (Cd)	0.00040						
Chromium (Cr)	0.00211						
Lead (Pb)	-0.00018						
Selenium (Se)	0.00290						
Silver (Ag)	0.00185						

CCB	Continuing Calibration Blank				10/25/2005	1732
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00271						
Barium (Ba)	-0.00007						
Cadmium (Cd)	0.00041						
Chromium (Cr)	0.00050						
Lead (Pb)	0.00084						
Selenium (Se)	0.00057						
Silver (Ag)	0.00086						

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services			PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCB	Continuing Calibration Blank				10/25/2005	1819	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00200						
Barium (Ba)	-0.00001						
Cadmium (Cd)	0.00032						
Chromium (Cr)	0.00144						
Lead (Pb)	-0.00007						
Selenium (Se)	0.00126						
Silver (Ag)	0.00049						
CCB	Continuing Calibration Blank				10/25/2005	1906	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00143						
Barium (Ba)	0.00020						
Cadmium (Cd)	0.00031						
Chromium (Cr)	0.00133						
Lead (Pb)	-0.00162						
Selenium (Se)	0.00302						
Silver (Ag)	0.00145						
CCB	Continuing Calibration Blank				10/25/2005	1926	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00029						
Barium (Ba)	-0.00001						
Cadmium (Cd)	0.00041						
Chromium (Cr)	0.00176						
Lead (Pb)	0.00040						
Selenium (Se)	0.00116						
Silver (Ag)	-0.00026						
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	0903	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.49296		0.500		98.6	90.0-110.0	
Barium (Ba)	0.50222		0.500		100.4	90.0-110.0	
Cadmium (Cd)	0.50277		0.500		100.6	90.0-110.0	
Chromium (Cr)	0.51103		0.500		102.2	90.0-110.0	
Lead (Pb)	0.49848		0.500		99.7	90.0-110.0	
Selenium (Se)	0.49739		0.500		99.5	90.0-110.0	
Silver (Ag)	0.24853		0.25		99.4	90.0-110.0	

QUALITY CONTROL RESULTS						
Job Number.: 304654			Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	0952
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Arsenic (As)	0.49038		0.500		98.1	90.0-110.0
Barium (Ba)	0.49908		0.500		99.8	90.0-110.0
Cadmium (Cd)	0.50302		0.500		100.6	90.0-110.0
Chromium (Cr)	0.52313		0.500		104.6	90.0-110.0
Lead (Pb)	0.49588		0.500		99.2	90.0-110.0
Selenium (Se)	0.49453		0.500		98.9	90.0-110.0
Silver (Ag)	0.24869		0.25		99.5	90.0-110.0
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005 1039
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Arsenic (As)	0.48543		0.500		97.1	90.0-110.0
Barium (Ba)	0.49222		0.500		98.4	90.0-110.0
Cadmium (Cd)	0.50664		0.500		101.3	90.0-110.0
Chromium (Cr)	0.53195		0.500		106.4	90.0-110.0
Lead (Pb)	0.50160		0.500		100.3	90.0-110.0
Selenium (Se)	0.48874		0.500		97.7	90.0-110.0
Silver (Ag)	0.24771		0.25		99.1	90.0-110.0
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005 1300
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Arsenic (As)	0.48737		0.500		97.5	90.0-110.0
Barium (Ba)	0.48475		0.500		97.0	90.0-110.0
Cadmium (Cd)	0.50407		0.500		100.8	90.0-110.0
Chromium (Cr)	0.52760		0.500		105.5	90.0-110.0
Lead (Pb)	0.50045		0.500		100.1	90.0-110.0
Selenium (Se)	0.48792		0.500		97.6	90.0-110.0
Silver (Ag)	0.24702		0.25		98.8	90.0-110.0
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005 1506
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
Arsenic (As)	0.51303		0.500		102.6	90.0-110.0
Barium (Ba)	0.49876		0.500		99.8	90.0-110.0
Cadmium (Cd)	0.53506		0.500		107.0	90.0-110.0
Chromium (Cr)	0.52809		0.500		105.6	90.0-110.0
Lead (Pb)	0.53097		0.500		106.2	90.0-110.0
Selenium (Se)	0.50107		0.500		100.2	90.0-110.0
Silver (Ag)	0.25197		0.25		100.8	90.0-110.0

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1621	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.51428		0.500		102.9	90.0-110.0	
Barium (Ba)	0.51509		0.500		103.0	90.0-110.0	
Cadmium (Cd)	0.53489		0.500		107.0	90.0-110.0	
Chromium (Cr)	0.52521		0.500		105.0	90.0-110.0	
Lead (Pb)	0.53244		0.500		106.5	90.0-110.0	
Selenium (Se)	0.51055		0.500		102.1	90.0-110.0	
Silver (Ag)	0.25417		0.25		101.7	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1641
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.51817		0.500		103.6	90.0-110.0	
Barium (Ba)	0.51199		0.500		102.4	90.0-110.0	
Cadmium (Cd)	0.53952		0.500		107.9	90.0-110.0	
Chromium (Cr)	0.52169		0.500		104.3	90.0-110.0	
Lead (Pb)	0.53673		0.500		107.3	90.0-110.0	
Selenium (Se)	0.50975		0.500		102.0	90.0-110.0	
Silver (Ag)	0.25318		0.25		101.3	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1728
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.52138		0.500		104.3	90.0-110.0	
Barium (Ba)	0.52447		0.500		104.9	90.0-110.0	
Cadmium (Cd)	0.54226		0.500		108.5	90.0-110.0	
Chromium (Cr)	0.52246		0.500		104.5	90.0-110.0	
Lead (Pb)	0.53805		0.500		107.6	90.0-110.0	
Selenium (Se)	0.51251		0.500		102.5	90.0-110.0	
Silver (Ag)	0.25449		0.25		101.8	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC				10/25/2005	1815
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.52060		0.500		104.1	90.0-110.0	
Barium (Ba)	0.52473		0.500		104.9	90.0-110.0	
Cadmium (Cd)	0.54239		0.500		108.5	90.0-110.0	
Chromium (Cr)	0.52131		0.500		104.3	90.0-110.0	
Lead (Pb)	0.53813		0.500		107.6	90.0-110.0	
Selenium (Se)	0.51538		0.500		103.1	90.0-110.0	
Silver (Ag)	0.25525		0.25		102.1	90.0-110.0	

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1902	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.52541		0.500		105.1	90.0-110.0	
Barium (Ba)	0.52567		0.500		105.1	90.0-110.0	
Cadmium (Cd)	0.54530		0.500		109.1	90.0-110.0	
Chromium (Cr)	0.52039		0.500		104.1	90.0-110.0	
Lead (Pb)	0.53931		0.500		107.9	90.0-110.0	
Selenium (Se)	0.51842		0.500		103.7	90.0-110.0	
Silver (Ag)	0.25556		0.25		102.2	90.0-110.0	
CCV	Continuing Calibration Verification	MS102005CC			10/25/2005	1922	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.52433		0.500		104.9	90.0-110.0	
Barium (Ba)	0.52698		0.500		105.4	90.0-110.0	
Cadmium (Cd)	0.54667		0.500		109.3	90.0-110.0	
Chromium (Cr)	0.51999		0.500		104.0	90.0-110.0	
Lead (Pb)	0.54053		0.500		108.1	90.0-110.0	
Selenium (Se)	0.51724		0.500		103.4	90.0-110.0	
Silver (Ag)	0.25572		0.25		102.3	90.0-110.0	
CH1	Calibration check standard 1	MS092605T1			10/25/2005	0847	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00750		0.0100		75.0	50.0-150.0	
Barium (Ba)	0.00863		0.0100		86.3	50.0-150.0	
Cadmium (Cd)	0.00510		0.00500		102.0	50.0-150.0	
Chromium (Cr)	0.01022		0.0100		102.2	50.0-150.0	
Lead (Pb)	0.00689		0.0100		68.9	50.0-150.0	
Selenium (Se)	0.00897		0.0100		89.7	50.0-150.0	
Silver (Ag)	0.00451		0.00500		90.2	50.0-150.0	
CH3	Standard check for ICAP	MS100505T3			10/25/2005	0835	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	1.99451		2.00		99.7	95.0-105.0	
Barium (Ba)	1.99566		2.00		99.8	95.0-105.0	
Cadmium (Cd)	1.00030		1.00		100.0	95.0-105.0	
Chromium (Cr)	2.01040		2.00		100.5	95.0-105.0	
Lead (Pb)	1.99881		2.00		99.9	95.0-105.0	
Selenium (Se)	1.99739		2.00		99.9	95.0-105.0	
Silver (Ag)	0.99918		1.00		99.9	95.0-105.0	

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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CRI	Contract Required Detection Limits	MS100505CR			10/25/2005	0851
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.01561		0.0200		78.0	50.0-150.0	
Cadmium (Cd)	0.01028		0.010		102.8	50.0-150.0	
Chromium (Cr)	0.02141		0.0200		107.0	50.0-150.0	
Lead (Pb)	0.00441		0.0060		73.5	50.0-150.0	
Selenium (Se)	0.01301		0.010		130.1	50.0-150.0	
Silver (Ag)	0.02042		0.0200		102.1	50.0-150.0	

CRI	Contract Required Detection Limits	MS100505CR			10/25/2005	1910
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.01798		0.0200		89.9	50.0-150.0	
Cadmium (Cd)	0.01130		0.010		113.0	50.0-150.0	
Chromium (Cr)	0.02111		0.0200		105.5	50.0-150.0	
Lead (Pb)	0.00411		0.0060		68.5	50.0-150.0	
Selenium (Se)	0.00977		0.010		97.7	50.0-150.0	
Silver (Ag)	0.02059		0.0200		103.0	50.0-150.0	

EB	Extraction Blank		141005			10/25/2005	1434
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00674						
Barium (Ba)	0.00501						
Cadmium (Cd)	0.00072						
Chromium (Cr)	0.00125						
Lead (Pb)	-0.00210						
Selenium (Se)	0.00488						
Silver (Ag)	-0.00011						

ICB	Initial Calibration Blank					10/25/2005	0843
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00084						
Barium (Ba)	0.00018						
Cadmium (Cd)	0.00028						
Chromium (Cr)	0.00227						
Lead (Pb)	-0.00232						
Selenium (Se)	0.00012						
Silver (Ag)	0.00229						

ICV	Initial Calibration Verification	MS102005CC				10/25/2005	0839
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.49769		0.500		99.5	95.0-105.0	
Barium (Ba)	0.50439		0.500		100.9	95.0-105.0	
Cadmium (Cd)	0.50012		0.500		100.0	95.0-105.0	
Chromium (Cr)	0.50469		0.500		100.9	95.0-105.0	

QUALITY CONTROL RESULTS							
Job Number.: 304654				Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services			PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
ICV	Initial Calibration Verification	MS102005CC			10/25/2005	0839	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Lead (Pb)	0.49552		0.500		99.1	95.0-105.0	
Selenium (Se)	0.50041		0.500		100.1	95.0-105.0	
Silver (Ag)	0.24687		0.25		98.7	95.0-105.0	
ISA	Interference Check Sample A	MS100505IA				10/25/2005	0855
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00278		0.0				
Barium (Ba)	0.00135		0.0				
Cadmium (Cd)	-0.00061		0.0				
Chromium (Cr)	0.00556		0.0				
Lead (Pb)	0.01106		0.0				
Selenium (Se)	0.02005		0.0				
Silver (Ag)	0.00019		0.0				
ISA	Interference Check Sample A	MS100505IA				10/25/2005	1914
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00048		0.0				
Barium (Ba)	0.00165		0.0				
Cadmium (Cd)	0.00177		0.0				
Chromium (Cr)	0.00581		0.0				
Lead (Pb)	0.00241		0.0				
Selenium (Se)	0.00783		0.0				
Silver (Ag)	0.00143		0.0				
ISB	Interference Check Sample B	MS100505IB				10/25/2005	0859
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.97597		1.00		97.6	80.0-120.0	
Barium (Ba)	1.05638		1.00		105.6	80.0-120.0	
Cadmium (Cd)	0.49294		0.500		98.6	80.0-120.0	
Chromium (Cr)	1.06614		1.00		106.6	80.0-120.0	
Lead (Pb)	1.03349		1.00		103.3	80.0-120.0	
Selenium (Se)	0.98937		1.00		98.9	80.0-120.0	
Silver (Ag)	0.55617		0.500		111.2	80.0-120.0	
ISB	Interference Check Sample B	MS100505IB				10/25/2005	1918
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	1.05031		1.00		105.0	80.0-120.0	
Barium (Ba)	1.11484		1.00		111.5	80.0-120.0	
Cadmium (Cd)	0.54183		0.500		108.4	80.0-120.0	
Chromium (Cr)	1.09223		1.00		109.2	80.0-120.0	
Lead (Pb)	1.11897		1.00		111.9	80.0-120.0	
Selenium (Se)	1.03900		1.00		103.9	80.0-120.0	

Job Number.: 304654		QUALITY CONTROL RESULTS				Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
ISB	Interference Check Sample B	MS100505IB			10/25/2005	1918	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Silver (Ag)		0.57619		0.500		115.2 80.0-120.0	
LCS	Laboratory Control Sample	MSPIKE3	141005			10/25/2005 1430	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As)		0.98926		1.00		98.9 85.0-115.0	
Barium (Ba)		0.95112		1.00		95.1 85.0-115.0	
Cadmium (Cd)		0.51103		0.500		102.2 85.0-115.0	
Chromium (Cr)		1.03003		1.00		103.0 85.0-115.0	
Lead (Pb)		1.01742		1.00		101.7 85.0-115.0	
Selenium (Se)		0.97576		1.00		97.6 85.0-115.0	
Silver (Ag)		0.49256		0.500		98.5 85.0-115.0	
MD	Method Duplicate		304370-1			10/25/2005 1442	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As), TCLP		0.01068	0.01229		0.01229	0.00161 0.02000	
Barium (Ba), TCLP		0.86758	0.89316		0.89316	2.9 20	
Cadmium (Cd), TCLP		0.00058	0.00067		0.00067	0.00009 0.00500	
Chromium (Cr), TCLP		0.00352	0.00279		0.00279	0.00073 0.01000	
Lead (Pb), TCLP		0.00438	0.00335		0.00335	0.00103 0.01000	
Selenium (Se), TCLP		0.00548	0.00533		0.00533	0.00015 0.04000	
Silver (Ag), TCLP		-0.00028	0.00090		0.00090	0.00118 0.01000	
MD	Method Duplicate		304673-1			10/25/2005 1610	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As), TCLP		0.06878	0.06697		0.06697	0.00181 0.02000	
Barium (Ba), TCLP		1.00290	1.01573		1.01573	1.3 20	
Cadmium (Cd), TCLP		0.00503	0.00490		0.00490	0.00013 0.00500	
Chromium (Cr), TCLP		0.01920	0.01939		0.01939	0.00019 0.01000	
Lead (Pb), TCLP		5.47464	5.40316		5.40316	1.3 20	
Selenium (Se), TCLP		0.01015	0.00997		0.00997	0.00018 0.04000	
Silver (Ag), TCLP		0.00103	0.00099		0.00099	0.00004 0.01000	
MS	Matrix Spike	MSPIKE3	304370-1			10/25/2005 1446	
Parameter/Test Description		QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F	
Arsenic (As), TCLP		0.96968		1.00	0.01229	95.7 75-125	
Barium (Ba), TCLP		1.91303		1.00	0.89316	102.0 75-125	
Cadmium (Cd), TCLP		0.49898		0.500	0.00067	99.7 75-125	
Chromium (Cr), TCLP		1.08308		1.00	0.00279	108.0 75-125	
Lead (Pb), TCLP		1.04610		1.00	0.00335	104.3 75-125	
Selenium (Se), TCLP		0.98791		1.00	0.00533	98.3 75-125	
Silver (Ag), TCLP		0.54781		0.500	0.00090	109.4 75-125	

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSPIKE3	304673-1		10/25/2005	1614

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	1.04510		1.00	0.06697	97.8	75-125	
Barium (Ba), TCLP	2.03002		1.00	1.01573	101.4	75-125	
Cadmium (Cd), TCLP	0.51367		0.500	0.00490	101.8	75-125	
Chromium (Cr), TCLP	1.09643		1.00	0.01939	107.7	75-125	
Lead (Pb), TCLP	6.37642		1.00	5.40316	97.3	75-125	
Selenium (Se), TCLP	1.02479		1.00	0.00997	101.5	75-125	
Silver (Ag), TCLP	0.55038		0.500	0.00099	109.9	75-125	

MSD	Matrix Spike Duplicate	MSPIKE3	304370-1			10/25/2005	1450
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.95362	0.96968	1.00	0.01229	94.1	75-125	
					1.7	20	
Barium (Ba), TCLP	1.88126	1.91303	1.00	0.89316	98.8	75-125	
					3.2	20	
Cadmium (Cd), TCLP	0.49228	0.49898	0.500	0.00067	98.3	75-125	
					1.4	20	
Chromium (Cr), TCLP	1.06925	1.08308	1.00	0.00279	106.6	75-125	
					1.3	20	
Lead (Pb), TCLP	1.03317	1.04610	1.00	0.00335	103.0	75-125	
					1.3	20	
Selenium (Se), TCLP	0.98172	0.98791	1.00	0.00533	97.6	75-125	
					0.7	20	
Silver (Ag), TCLP	0.54172	0.54781	0.500	0.00090	108.2	75-125	
					1.1	20	

MSD	Matrix Spike Duplicate	MSPIKE3	304673-1			10/25/2005	1618
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	1.08177	1.04510	1.00	0.06697	101.5	75-125	
					3.7	20	
Barium (Ba), TCLP	2.10885	2.03002	1.00	1.01573	109.3	75-125	
					7.5	20	
Cadmium (Cd), TCLP	0.53193	0.51367	0.500	0.00490	105.4	75-125	
					3.5	20	
Chromium (Cr), TCLP	1.13514	1.09643	1.00	0.01939	111.6	75-125	
					3.6	20	
Lead (Pb), TCLP	6.69589	6.37642	1.00	5.40316	129.3	75-125	
					28.2	20	
Selenium (Se), TCLP	1.05407	1.02479	1.00	0.00997	104.4	75-125	
					2.8	20	
Silver (Ag), TCLP	0.56137	0.55038	0.500	0.00099	112.1	75-125	
					2.0	20	

Job Number.: 304654		QUALITY CONTROL RESULTS			Report Date.: 10/28/2005	
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CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE			ATTN:	
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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PB	Prep. Blank		141005		10/25/2005	1427
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	-0.00277						
Barium (Ba)	-0.00010						
Cadmium (Cd)	0.00097						
Chromium (Cr)	0.00171						
Lead (Pb)	-0.00073						
Selenium (Se)	0.00050						
Silver (Ag)	-0.00033						

PDS	Post Digestion Spike	MSPIKE3	304370-1		10/25/2005	1633
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.97866		1.00	0.01229	96.6	75-125	
Barium (Ba), TCLP	1.96507		1.00	0.89316	107.2	75-125	
Cadmium (Cd), TCLP	0.50361		0.500	0.00067	100.6	75-125	
Chromium (Cr), TCLP	1.06812		1.00	0.00279	106.5	75-125	
Lead (Pb), TCLP	1.05694		1.00	0.00335	105.4	75-125	
Selenium (Se), TCLP	1.00850		1.00	0.00533	100.3	75-125	
Silver (Ag), TCLP	0.54969		0.500	0.00090	109.8	75-125	

S0	Calibration Blank				10/25/2005	0826
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	0.00387						
Barium (Ba)	0.00033						
Cadmium (Cd)	-0.01817						
Chromium (Cr)	-0.00020						
Lead (Pb)	0.00024						
Selenium (Se)	0.00023						
Silver (Ag)	-0.00719						

SD	Serial Dilution		304370-1	5	10/25/2005	1637
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As), TCLP	0.00166			0.01229	32.5		
Barium (Ba), TCLP	0.20259			0.89316	13.4	10.0	e
Cadmium (Cd), TCLP	0.00073			0.00067	444.8		
Chromium (Cr), TCLP	0.00166			0.00279	197.5		
Lead (Pb), TCLP	0.00185			0.00335	176.1		
Selenium (Se), TCLP	0.00550			0.00533	415.9		
Silver (Ag), TCLP	0.00081			0.00090			

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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STD	Spiked Blank Duplicate				10/25/2005	0831
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Arsenic (As)	2.99436						
Barium (Ba)	0.60791						
Cadmium (Cd)	17.20330						
Chromium (Cr)	0.66129						
Silver (Ag)	0.55787						

Test Method.....: SW-846 8270C	Units.....: ug/L	Analyst....: acn
Method Description.: Semivolatile Organics	Batch(s)....: 141227 141275	

LCS	Laboratory Control Sample	SVS101405M	141127		10/27/2005	0958
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	104.925		100.0		104.9	56-105	
Hexachlorobenzene, TCLP	96.8503		100.0		96.9	54-157	
Hexachlorobutadiene, TCLP	104.350		100.0		104.3	24-123	
Hexachloroethane, TCLP	86.7255		100.0		86.7	36-114	
Nitrobenzene, TCLP	97.1624		100.0		97.2	42-124	
2-Methylphenol (o-Cresol), TCLP	64.8490		100.0		64.8	37-96	
4-Methylphenol (p-Cresol), TCLP	57.7231		100.0		57.7	29-98	
Pentachlorophenol, TCLP	110.430		100.0		110.4	20-134	
2,4,5-Trichlorophenol, TCLP	98.2382		100.0		98.2	49-117	
2,4,6-Trichlorophenol, TCLP	94.5779		100.0		94.6	30-143	
Pyridine, TCLP	50.3486		100.0		50.3	18-75	

MB	Method Blank	SVS090105A	141127		10/27/2005	0924
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	0						
Hexachlorobenzene, TCLP	0						
Hexachlorobutadiene, TCLP	0						
Hexachloroethane, TCLP	0						
Nitrobenzene, TCLP	0						
2-Methylphenol (o-Cresol), TCLP	0						
4-Methylphenol (p-Cresol), TCLP	0						
Pentachlorophenol, TCLP	0						
2,4,5-Trichlorophenol, TCLP	0						
2,4,6-Trichlorophenol, TCLP	0						
Pyridine, TCLP	0						

MS	Matrix Spike	SVS101405M	304654-1		10/27/2005	1141
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	77.1020		100.0	0	77	29-135	
Hexachlorobenzene, TCLP	92.9560		100.0	0	93	46-139	
Hexachlorobutadiene, TCLP	87.8460		100.0	0	88	26-115	
Hexachloroethane, TCLP	71.0198		100.0	0	71	25-225	
Nitrobenzene, TCLP	159.169		100.0	0	159	24-142	A

QUALITY CONTROL RESULTS						
Job Number.: 304654			Report Date.: 10/28/2005			
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE		ATTN:		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	SVS101405M	304654-1		10/27/2005	1141
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
2-Methylphenol (o-Cresol), TCLP	71.2192		100.0	0	71	26-95
4-Methylphenol (p-Cresol), TCLP	141.172		100.0	106.856	34	11-112
Pentachlorophenol, TCLP	108.002		100.0	0	108	38-140
2,4,5-Trichlorophenol, TCLP	70.8857		100.0	0	71	38-130
2,4,6-Trichlorophenol, TCLP	82.5349		100.0	0	83	35-136
Pyridine, TCLP	35.1332		100.0	0	35	23-76
MSD	Matrix Spike Duplicate	SVS101405M	304654-1		10/27/2005	1215
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
2,4-Dinitrotoluene, TCLP	87.6542	77.1020	100.0	0	88	29-135
Hexachlorobenzene, TCLP	104.277	92.9560	100.0	0	12.8	45.0
Hexachlorobutadiene, TCLP	84.1898	87.8460	100.0	0	104	46-139
Hexachloroethane, TCLP	76.5592	71.0198	100.0	0	11.5	50.0
Nitrobenzene, TCLP	144.497	159.169	100.0	0	84	26-115
2-Methylphenol (o-Cresol), TCLP	64.0907	71.2192	100.0	0	4.3	50.0
4-Methylphenol (p-Cresol), TCLP	138.497	141.172	100.0	106.856	77	25-225
Pentachlorophenol, TCLP	107.853	108.002	100.0	0	7.5	50.0
2,4,5-Trichlorophenol, TCLP	68.1822	70.8857	100.0	0	144	24-142
2,4,6-Trichlorophenol, TCLP	98.7542	82.5349	100.0	0	9.7	50.0
Pyridine, TCLP	45.1922	35.1332	100.0	0	64	26-95
					10.5	50.0
					32	11-112
					1.9	50.0
					108	38-140
					0.1	49.0
					68	38-130
					3.9	50.0
					99	35-136
					17.9	50.0
					45	23-76
					25.0	50.0
PB	Prep. Blank	SVS090105A	141127		10/27/2005	1032
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits F
2,4-Dinitrotoluene, TCLP	0					
Hexachlorobenzene, TCLP	0					
Hexachlorobutadiene, TCLP	0					
Hexachloroethane, TCLP	0					
Nitrobenzene, TCLP	0					
2-Methylphenol (o-Cresol), TCLP	0					
4-Methylphenol (p-Cresol), TCLP	0					
Pentachlorophenol, TCLP	0					
2,4,5-Trichlorophenol, TCLP	0					
2,4,6-Trichlorophenol, TCLP	0					
Pyridine, TCLP	0					

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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PB	Prep. Blank	SVS090105A	141127		10/27/2005	1505
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	0						
Hexachlorobenzene, TCLP	0						
Hexachlorobutadiene, TCLP	0						
Hexachloroethane, TCLP	0						
Nitrobenzene, TCLP	0						
2-Methylphenol (o-Cresol), TCLP	0						
4-Methylphenol (p-Cresol), TCLP	0						
Pentachlorophenol, TCLP	0						
2,4,5-Trichlorophenol, TCLP	0						
2,4,6-Trichlorophenol, TCLP	0						
Pyridine, TCLP	0						

PB	Prep. Blank	SVS090105A	141127		10/27/2005	1539
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
2,4-Dinitrotoluene, TCLP	0						
Hexachlorobenzene, TCLP	0						
Hexachlorobutadiene, TCLP	0						
Hexachloroethane, TCLP	0						
Nitrobenzene, TCLP	0						
2-Methylphenol (o-Cresol), TCLP	0						
4-Methylphenol (p-Cresol), TCLP	0						
Pentachlorophenol, TCLP	0						
2,4,5-Trichlorophenol, TCLP	0						
2,4,6-Trichlorophenol, TCLP	0						
Pyridine, TCLP	0						

Test Method.....: SW-846 8260B	Units.....: ug/L	Analyst....: yxl
Method Description.: Volatile Organics	Batch(s)....: 141257	

LCS	Laboratory Control Sample	VS101805E			10/25/2005	1213
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, Water	46.7184		50.00	ND	93.4	68-127	
Carbon Tetrachloride, Water	45.9857		50.00	ND	92.0	54-140	
Chlorobenzene, Water	45.5183		50.00	ND	91.0	65-129	
Chloroform, Water	39.5888		50.00	ND	79.2	71-131	
1,4-Dichlorobenzene, Water	49.3423		50.00	ND	98.7	46-142	
1,2-Dichloroethane, Water	45.7358		50.00	ND	91.5	65-133	
1,1-Dichloroethene, Water	50.1276		50.00	ND	100.3	48-147	
Tetrachloroethene, Water	46.2243		50.00	ND	92.4	59-134	
Trichloroethene, Water	45.5488		50.00	ND	91.1	64-130	
Vinyl Chloride, Water	33.4228		50.00	ND	66.8	35-155	
Methyl Ethyl Ketone (2-Butanone), Water	42.2335		50.00	ND	84.5	38-186	

QUALITY CONTROL RESULTS					
Job Number.: 304654			Report Date.: 10/28/2005		
CUSTOMER: T3 Energy Services		PROJECT: SUMP WASTE		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCS	Laboratory Control Sample	VS101805E			10/26/2005 1204
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F
Benzene, Water	47.2082		50.00	ND	94.4 68-127
Carbon Tetrachloride, Water	46.3891		50.00	ND	92.8 54-140
Chlorobenzene, Water	45.9739		50.00	ND	91.9 65-129
Chloroform, Water	37.7165		50.00	ND	75.4 71-131
1,4-Dichlorobenzene, Water	50.0709		50.00	ND	100.1 46-142
1,2-Dichloroethane, Water	45.1470		50.00	ND	90.3 65-133
1,1-Dichloroethene, Water	47.8551		50.00	ND	95.7 48-147
Tetrachloroethene, Water	45.4229		50.00	ND	90.8 59-134
Trichloroethene, Water	44.8657		50.00	ND	89.7 64-130
Vinyl Chloride, Water	33.3858		50.00	ND	66.8 35-155
Methyl Ethyl Ketone (2-Butanone), Water	40.7236		50.00	ND	81.4 38-186

MB	Method Blank	VS101805C			10/25/2005 1304
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F
Benzene, Water	ND				
Carbon Tetrachloride, Water	ND				
Chlorobenzene, Water	ND				
Chloroform, Water	ND				
1,4-Dichlorobenzene, Water	ND				
1,2-Dichloroethane, Water	ND				
1,1-Dichloroethene, Water	ND				
Tetrachloroethene, Water	ND				
Trichloroethene, Water	ND				
Vinyl Chloride, Water	ND				
Methyl Ethyl Ketone (2-Butanone), Water	ND				

MB	Method Blank	VS101805C			10/26/2005 1255
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result * Limits F
Benzene, Water	ND				
Carbon Tetrachloride, Water	ND				
Chlorobenzene, Water	ND				
Chloroform, Water	ND				
1,4-Dichlorobenzene, Water	ND				
1,2-Dichloroethane, Water	ND				
1,1-Dichloroethene, Water	ND				
Tetrachloroethene, Water	ND				
Trichloroethene, Water	ND				
Vinyl Chloride, Water	ND				
Methyl Ethyl Ketone (2-Butanone), Water	ND				

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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MS	Matrix Spike	VS101805E	304068-1	20.00000	10/25/2005	1446
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	51.8847		50.00	ND	104	63-123	
Carbon Tetrachloride, TCLP	48.5867		50.00	ND	97	21-138	
Chlorobenzene, TCLP	51.1318		50.00	ND	102	61-126	
Chloroform, TCLP	41.3975		50.00	ND	83	67-136	
1,4-Dichlorobenzene, TCLP	55.8625		50.00	ND	112	58-128	
1,2-Dichloroethane, TCLP	49.4051		50.00	ND	99	66-135	
1,1-Dichloroethene, TCLP	49.7700		50.00	ND	100	33-130	
Tetrachloroethene, TCLP	48.7699		50.00	ND	98	40-134	
Trichloroethene, TCLP	47.6934		50.00	ND	95	43-127	
Vinyl Chloride, TCLP	33.0244		50.00	ND	66	9-158	
Methyl Ethyl Ketone (2-Butanone), TCLP	44.2086		50.00	ND	88	9-157	

MS	Matrix Spike	VS101805E	304654-1	20.00000	10/26/2005	1412
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	57.5586		50.00	ND	115	63-123	
Carbon Tetrachloride, TCLP	55.0612		50.00	ND	110	21-138	
Chlorobenzene, TCLP	56.3989		50.00	ND	113	61-126	
Chloroform, TCLP	46.1820		50.00	ND	92	67-136	
1,4-Dichlorobenzene, TCLP	60.0815		50.00	ND	120	58-128	
1,2-Dichloroethane, TCLP	53.5852		50.00	ND	107	66-135	
1,1-Dichloroethene, TCLP	62.3990		50.00	ND	125	33-130	
Tetrachloroethene, TCLP	56.3581		50.00	ND	113	40-134	
Trichloroethene, TCLP	53.9007		50.00	ND	108	43-127	
Vinyl Chloride, TCLP	37.9134		50.00	ND	76	9-158	
Methyl Ethyl Ketone (2-Butanone), TCLP	48.9182		50.00	3.56738	91	9-157	

MSD	Matrix Spike Duplicate	VS101805E	304068-1	20.00000	10/25/2005	1511
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	53.6270	51.8847	50.00	ND	107	63-123	
					3.3	30.0	
Carbon Tetrachloride, TCLP	53.6936	48.5867	50.00	ND	107	21-138	
					10.0	30.0	
Chlorobenzene, TCLP	52.7794	51.1318	50.00	ND	106	61-126	
					3.2	30.0	
Chloroform, TCLP	42.8249	41.3975	50.00	ND	86	67-136	
					3.4	30.0	
1,4-Dichlorobenzene, TCLP	58.2154	55.8625	50.00	ND	116	58-128	
					4.1	30.0	
1,2-Dichloroethane, TCLP	48.2133	49.4051	50.00	ND	96	66-135	
					2.4	30.0	
1,1-Dichloroethene, TCLP	53.8991	49.7700	50.00	ND	108	33-130	
					8.0	30.0	
Tetrachloroethene, TCLP	52.6311	48.7699	50.00	ND	105	40-134	
					7.6	30.0	
Trichloroethene, TCLP	50.8957	47.6934	50.00	ND	102	43-127	
					6.5	30.0	
Vinyl Chloride, TCLP	36.0481	33.0244	50.00	ND	72	9-158	
					8.8	30.0	

Job Number.: 304654	QUALITY CONTROL RESULTS	Report Date.: 10/28/2005
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CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN:
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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MSD	Matrix Spike Duplicate	VS101805E	304068-1	20.00000	10/25/2005	1511
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl Ethyl Ketone (2-Butanone), TCLP	39.8191	44.2086	50.00	ND	80 10.4	9-157 30.0	

MSD	Matrix Spike Duplicate	VS101805E	304654-1	20.00000	10/26/2005	1438
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	56.9888	57.5586	50.00	ND	114 1.0	63-123 30.0	
Carbon Tetrachloride, TCLP	55.3042	55.0612	50.00	ND	111 0.4	21-138 30.0	
Chlorobenzene, TCLP	55.7089	56.3989	50.00	ND	111 1.2	61-126 30.0	
Chloroform, TCLP	45.9020	46.1820	50.00	ND	92 0.6	67-136 30.0	
1,4-Dichlorobenzene, TCLP	61.2487	60.0815	50.00	ND	122 1.9	58-128 30.0	
1,2-Dichloroethane, TCLP	53.4239	53.5852	50.00	ND	107 0.3	66-135 30.0	
1,1-Dichloroethene, TCLP	57.4294	62.3990	50.00	ND	115 8.3	33-130 30.0	
Tetrachloroethene, TCLP	55.5673	56.3581	50.00	ND	111 1.4	40-134 30.0	
Trichloroethene, TCLP	53.6130	53.9007	50.00	ND	107 0.5	43-127 30.0	
Vinyl Chloride, TCLP	36.6503	37.9134	50.00	ND	73 3.4	9-158 30.0	
Methyl Ethyl Ketone (2-Butanone), TCLP	47.9519	48.9182	50.00	3.56738	89 2.0	9-157 30.0	

PB	Prep. Blank	VS101805C		20.00000	10/26/2005	1230
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene, TCLP	ND						
Carbon Tetrachloride, TCLP	ND						
Chlorobenzene, TCLP	ND						
Chloroform, TCLP	ND						
1,4-Dichlorobenzene, TCLP	1.19624						
1,2-Dichloroethane, TCLP	ND						
1,1-Dichloroethene, TCLP	ND						
Tetrachloroethene, TCLP	ND						
Trichloroethene, TCLP	ND						
Vinyl Chloride, TCLP	ND						
Methyl Ethyl Ketone (2-Butanone), TCLP	ND						

SURROGATE RECOVERIES REPORT		
Job Number.: 304654		Report Date.: 10/28/2005
CUSTOMER: T3 Energy Services	PROJECT: SUMP WASTE	ATTN: Ralph Castillo

Method.....: Volatile Organics	Method Code...: 8260	Prep Batch.....:
Batch(s).....: 141257	Test Matrix...: Water	Equipment Code: GCMSVOA06

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
141257--21	LCS		10/25/2005	83.6	102.7	80.6	96.6
141257--21	MB		10/25/2005	85.4	110.2	81.8	102.4
141257--21	LCS		10/26/2005	81.5	106.1	79.6	97.5
141257--21	MB		10/26/2005	84.8	104.3	81.0	96.4

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFLM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130

Method.....: Volatile Organics	Method Code...: 8260	Prep Batch.....:
Batch(s).....: 141257	Test Matrix...: TCLP	Equipment Code: GCMSVOA06

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
140989--21	PB		10/26/2005	87.3	105.9	83.4	100.4
304068-	1 MS	CONTAMINATED SOIL 1	10/25/2005	82.9	109.5	80.4	99.8
304068-	1 MSD	CONTAMINATED SOIL 1	10/25/2005	79.7	109.2	78.4	98.5
304654-	1	SUMP1 T3-CYPRESS SUMP1	10/26/2005	81.3	106.2	78.0	96.1
304654-	1 MS	SUMP1 T3-CYPRESS SUMP1	10/26/2005	83.9	108.0	82.4	98.6
304654-	1 MSD	SUMP1 T3-CYPRESS SUMP1	10/26/2005	81.2	108.7	80.7	98.4
304654-	2	SUMP2 T3-CYPRESS SUMP2	10/26/2005	81.9	102.0	77.3	95.4

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFLM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1692

Customer: T3 Energy Services - Cypress

Waste Generator: T3 Energy Services - Cypress

Waste Stream Name: TPH absorbent

Expiration Date: 7/24/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify. ✓ 5/27/09 DR

Analysis is NOT required for recertification.

Please send new profile as waste stream has changed.

The following analysis is required for recertification. Please submit results of the following tests.

T3 Energy Services
Customer Name

Pauline R. Riche
Signature

Purchaser
Company / Title

5/27/09
Date

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability